

20000328.qrp v01\_n774.qrl.20000328

Date: Tue, 28 Mar 2000 19:03:10 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1774

## QRP-L Digest 1774

Topics covered in this issue include:

- 1) [66663] FS: Nye-Viking Master Key  
by Rich Mulvey <mulveyr@iname.com>
- 2) [66664] Has there been mods for MFJ-90xx posted ?  
by "Randall" <Firefox@Southwind.net>
- 3) [66665] Re: RI - How Hard to Get?  
by Larry Cahoon <wd3p@juno.com>
- 4) [66666] Re: Zombies  
by "Carlos J. Caro" <cjcaro@nail.com>
- 5) [66667] Re: NEQRP meeting next week  
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 6) [66668] FS: MISC. Items  
by "Kevin E. Gray" <k8su@clover.net>
- 7) [66669] Using a long wire  
by john@neknetwork.com
- 8) [66670] Re: Back again on qrp-l  
by S LYON <sslyon@worldnet.att.net>
- 9) [66671] TS140S lower price  
by "Jess Gypin" <jessqrp@uswest.net>
- 10) [66672] Poqet tiny computer for sale.  
by Randy & Cara Randall <crrandal@seidata.com>
- 11) [66673] Re: Using a long wire  
by BenNW7DX@aol.com
- 12) [66674] Re: Poqet tiny computer for sale.  
by Randy & Cara Randall <crrandal@seidata.com>
- 13) [66675] Re: Using a long wire  
by Al Patrick <arp@inet4u.com>
- 14) [66676] HB: SMD Rig #4  
by "Steven Weber" <kd1jv@moose.ncia.net>
- 15) [66677] Re: Using a long wire  
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 16) [66678] Atlanticon recap - N2APB  
by "George Heron N2APB" <n2apb@erols.com>
- 17) [66679] Atlanticon prize contributions  
by "George Heron N2APB" <n2apb@erols.com>
- 18) [66680] update on wa2hoq  
by RangerSF5@aol.com
- 19) [66681] RedHot NC20 success; QSK mods to NC20-class xcvs

- by K7GT@aol.com
- 20) [66682] Re: Using a long wire  
by "Pastor-kc1di" <ELBC@PIVOT.NET>
- 21) [66683] Re: RI - How Hard to Get?  
by Wa3ptg@aol.com
- 22) [66684] QRP and other stuff FS  
by jmarran@juno.com
- 23) [66685] Re: Zombies  
by markmilburn <markmilburn@netzero.net>
- 24) [66686] Re: Using a long wire  
by Wb8siw@aol.com
- 25) [66687] Re: Using a long wire  
by Wb8siw@aol.com
- 26) [66688] Re: Poqet tiny computer for sale.  
by Randy & Cara Randall <crrandal@seidata.com>
- 27) [66689] FS: Shack Cleaning...  
by Macstein@aol.com
- 28) [66690] FS: STATUS QRP STUFF  
by Ronald\_A\_Pfeiffer@res.raytheon.com
- 29) [66691] WTD Manual for CW Sending Machine  
by W8IRQ@aol.com
- 30) [66692] Re: Zombies  
by Dan Copeland <n0dt@alltel.net>
- 31) [66693] QST 1929  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 32) [66694] SWAP:Dentron 40m MLX-mini project for ???  
by "Craig A. Ferris" <cferris@aeronix.com>
- 33) [66695] Re: QRP-L digest 1773  
by "Tim Stabler" <tstabler@iunhaw1.iun.indiana.edu>
- 34) [66696] The MOJO works! But, a question...  
by "Jim Barrett - KC2DCC" <jbarrett@stny.rr.com>
- 35) [66697] Re: QST 1929  
by Wb8siw@aol.com
- 36) [66698] OPERATING: USS Kidd commissioning anniversary  
by Jim Giammanco <giamman@rouge.phys.lsu.edu>
- 37) [66699] FS: A Couple of HW-9's (one un-assembled)  
by "Mark E. Monninger" <markem@primenet.com>
- 38) [66700] GU3MBS on 24.898.6 at 1500z on 28Mar00  
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 39) [66701] [CLUB] QRP ARCI Spring Contest - APRIL 8/9  
by Jim Stafford <w4qo@amsat.org>
- 40) [66702] Re: QST 1929  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 41) [66703] rcvr  
by "Tim Stabler" <tstabler@iunhaw1.iun.indiana.edu>
- 42) [66704] Who sells NE602  
by Paul Egan <paulegan@cgocable.net>
- 43) [66705] Mojo and the Bug man (TM).

by Ed Loranger <we6w@qsl.net>  
44) [66706] FS:new qrp rig.  
by Bruce Ratray <ratray@gpfn.sk.ca>  
45) [66707] Boosting power  
by "Steven Weber" <kd1jv@moose.ncia.net>  
46) [66708] W5KID/N5IB on 21061 now 16:30  
by "Rod, N0RC" <n0rc@qsl.net>  
47) [66709] RE: Who sells NE602  
by Michael Ostrowski <mostrowski@CreativeSolutions.com>  
48) [66710] OPERATING: USS KIDD Commissioning Anniversary  
by "David Hurley,n2zhy" <n2zhy@amsat.org>  
49) [66711] FS: More QRP+'s  
by Stan Yarema <bg783@scn.org>  
50) [66712] RE: The MOJO works! But, a question...  
by "AI2Q Alex" <ai2q@ispchannel.com>  
51) [66713] unsubscribe  
by Michael Kernan <ka7ple@teleport.com>  
52) [66714] LY2FE/QRP on 28.060 at 1734z on 28Mar00  
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>  
53) [66715] Texas Bug Catcher URL...  
by "Andy GM0NWI" <Gm0nwi@tesco.net>  
54) [66716] Re: Texas Bug Catcher URL...  
by "Michael A. Newell" <wb4huc@texas.net>  
55) [66717]  
by "Doug Hendricks" <ki6ds@hotmail.com>  
56) [66718] ASTRON RS-35A POWER SUPPLY  
by Brad Bradfield <b\_bradfield@yahoo.com>  
57) [66719] What is one to do?  
by Joe Mikuckis <k3chp@erols.com>  
58) [66720] Re: What is one to do?  
by Bruce Ratray <ratray@gpfn.sk.ca>  
59) [66721] MRF904: base pinout needed  
by Allan G Taylor <agtaylor@llnl.gov>  
60) [66722] Re: What is one to do?  
by "Victor Blackwell" <victor@brecnet.com>  
61) [66723] MRF-904 pinout  
by Ed Loranger <we6w@qsl.net>  
62) [66724] Re: What is one to do?  
by Shepherd@aol.com  
63) [66725] Re: What is one to do?  
by "Jim Crooke" <crooke@prodigy.net>  
64) [66726] Re: What is one to do?  
by DOCKROCK1T@aol.com  
65) [66727] Atlanticon Proceedings (compendium of technical papers)  
by "George Heron N2APB" <n2apb@erols.com>  
66) [66728] Speakers and Times for ArkieCon  
by "Jay Bromley" <w5jay@alltel.net>  
67) [66729] Re: Help Diplexer Calculator

by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>  
68) [66730] Re: What is one to do?  
by k1vp@lawson-philpot.com  
69) [66731] Re: What is one to do?  
by Wb8siw@aol.com  
70) [66732] Radios in US Submarines  
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>  
71) [66733] FS:new qrp rig. (fwd)  
by Bruce Rattray <rattray@gpfn.sk.ca>  
72) [66734] OPERATING: USS Kidd Log  
by n5ib@juno.com  
73) [66735] Tiny Weller soldering iron for sale.  
by neil <neil@aade.com>  
74) [66736] Atlanticon Compendiums Available  
by "Doug Hendricks" <ki6ds@hotmail.com>  
75) [66737] Re: What is one to do?  
by Nv4t@aol.com  
76) [66738] DX-QSL's  
by "Jim Barrett - KC2DCC" <jbarrett@stny.rr.com>  
77) [66739] "Test Drive ArkieCon" Coming to a theater near you  
by "Jay Bromley" <w5jay@alltel.net>  
78) [66740] FS  
by E L D <wd7y@pyramid.net>  
79) [66741] RE: What is one to do?  
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>  
80) [66742] Parts Needed  
by E L D <wd7y@pyramid.net>  
81) [66743] Re: Using a long wire  
by BenNW7DX@aol.com

-----  
Date: Mon, 27 Mar 2000 19:10:26  
-0000=?us-ascii?Q?\_(/etc/localtime`+=13=08=A4=F3=FF=BF=CF=AC  
=08?=  
From: Rich Mulvey <mulveyr@iname.com>  
To: qrp-l@lehigh.edu  
Subject: [66663] FS: Nye-Viking Master Key  
Message-ID: <XFMail.20000327191026.mulveyr@iname.com>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 8bit  
MIME-Version: 1.0

For Sale:

Nye-Viking Master key  
Black base

Navy Knob

The key is about 5 years old, and has seen very little use because I'm a paddle user. It deserves better than that. :-)

Asking \$45.00

- Rich, AA2YS

-----  
Date: Mon, 27 Mar 2000 18:24:15 -0600  
From: "Randall" <Firefox@Southwind.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [66664] Has there been mods for MFJ-90xx posted ?  
Message-ID: <045c01bf984b\$f39412c0\$ac5986d1@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guess the subject line says it all.  
But I'll ask again anyway.....  
Has there been a list or URL where mods for MFJ-90xx were posted ?

thanks

-----  
Date: Tue, 28 Mar 2000 00:17:15 +0100  
From: Larry Cahoon <wd3p@juno.com>  
To: n6wg@earthlink.net, qrp-l@Lehigh.EDU  
Subject: [66665] Re: RI - How Hard to Get?  
Message-ID: <20000328.014526.-366157.39.wd3p@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

On Mon, 27 Mar 2000 10:12:45 -0800 "Bob Tellefsen" <n6wg@earthlink.net>

writes:

> Hi Ed

> If you want to see something hard to get, try Delaware on 40m QRP

> :-)

> 73, Bob N6WG

>

>

No problem. Ed is on the east coast just like me. A bit further from DE but on 40 that should help at times. Got them on 40M five times - three at 500 mW, once at 50 mW, and once at 18 mW.

73 de Larry.....WD3P in MD

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Wed, 29 Mar 2000 02:36:49 -0700

From: "Carlos J. Caro" <cjcaro@nail.com>

To: <markmilburn@netzero.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [66666] Re: Zombies

Message-ID: <007c01bf9962\$504977a0\$63d396d8@default>

Mark,

Thats the chance that Brad took. BUT what if he is right ???

No Humbug, just Best Regards.

Carlos #1333

I hope you will not be surprised that I am offended by this use of the QRP-L. How in the world can anybody post this kind of thing on a ham radio reflector and not be censured for it?

Bah humbug.

72 Mark

"Mugleston, Brad" wrote

Here's something everyone should know:

On July 8, 1947, witnesses claim a spaceship with five aliens aboard crashed on a sheep-and-cattle ranch outside Roswell, NM, an incident they say has been covered up by the military.

On March 31, 1948, exactly nine months after that day, Al Gore was born.

That clears up a lot of things

-----  
-----  
Date: Mon, 27 Mar 2000 21:57:22 -0500  
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>  
To: Joe Everhart <n2cx@voicenet.com>  
Cc: qrp-1@Lehigh.EDU, njqrp@njqrp.org  
Subject: [66667] Re: NEQRP meeting next week  
Message-ID: <38E01F92.C7F14B30@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I've got family business this weekend too. Maybe one year we could plan to do it about a month after Atlanticon so I don't have as many "honey do's" all stacked up.

Joe Everhart wrote:

>  
> Gang,  
>  
> I was so busy bragging on Atlanticon that I forgot to mention another  
> upcoming event.  
>  
> Next Saturday is the annual NEQRP-Invades-ARRL-HQ meeting. While  
> NEQRP is a regional group, they do hold this one meeting every year at  
> US ham radio mecca and encourage all to attend. They are a great,  
> friendly bunch of folks.  
>  
> Alas family duties prevent me from going but I strongly encourage  
> anyone within driving distance to mark it on their calendar.  
>  
> Like most QRP club meetings it's kinda free-form though they often

> do have a short business session to update all on what's happening.  
> Next is a very intimate show and tell session where all can brag  
> about their latest projects and on-the-air conquests. And this  
> takes place in a conference room in ARRL HQ - what better  
> place, indeed?  
>  
> In past years attendees were also treated to a personal tour of the  
> fabled ARRL lab by Zack, W1VT. I can't promise that, but you may  
> be luck enough to be so honored.  
>  
> At mid-day all go to a local eatery for an hour or so of QRP  
> camaraderie over lunch.  
>  
> The day usually wraps up with a chance to operate W1AW/QRP - just  
> remember to bring along your license. And if you are \*really\* lucky  
> you just may have a chance to operate using the original Tuna Tin  
> rig. I can't promise this but it is a possibility.  
>  
> Wish I could go to join the NJQRP and LIQRP gang who make the trek  
> but it's not in the cards. If you can spare the time you can get  
> another good dose of east coast qrp hospitality to continue what  
> began the year with Atlanticon.  
>  
> If you do go please share your fun by writing all about it for the  
> rest of us who can't make it...  
>  
> 72/73,  
>  
> Joe E., N2CX  
>

--

+++++

T.J. "SKIP" AREY N2EI e-mail [tjarey@home.com](mailto:tjarey@home.com)

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

-----

Date: Mon, 27 Mar 2000 21:47:40 -0500  
From: "Kevin E. Gray" <k8su@clover.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [66668] FS: MISC. Items



Message-ID: <004401bf985f\$fcb81220\$b250fea9@user>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

For Sale:

CW Filter MFJ CWF-2 \$15

Electronic Keyer MFJ 407 \$25

Iambic Key Paddle MFJ 564 Chrome \$35

Micronta 22-211A Portable meter \$20

W1AW RAC Receiver Kit assembled. \$15

A bunch of small parts for building left if anyone needs something.

thanks,

Kevin

k8su@clover.net

-----  
Date: Mon, 27 Mar 2000 22:07:35 -0500  
From: john@neknetwork.com  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [66669] Using a long wire  
Message-ID: <38E021F7.935B200@neknetwork.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello QRP'ers,

I may have a chance to do some traveling on business during the year,  
and would love to spend some time operating my QRP rigs from a hotel.  
Right now I've got an SW80+ and FB40. I've got a RS shortwave that makes  
for a fairly decent receiver for the FB40 - I may build a DSW 40 real

soon though, so perhaps I won't need the FB40.

Anyway, I don't have a QRP antenna tuner per se, but my regular tuner is an MFJ949E that isn't too big and has a switch that shows QRP levels (sort of). I don't think using a dipole for 80 or 40 meters will be practical from a hotel room, so I'm wondering about dangling a longwire out a window and using the MFJ tuner. The docs for the tuner say that a good ground is essential when tuning a longwire, but I seriously doubt a good ground will be available on the 10'th floor of a hotel (or the first floor for that matter).

So how essential is a good ground under these circumstances? What do others usually do? I really think operating on the road would be a gas.

72,

John, KB1ENS

--

John Wagner - john@neknetwork.com

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Date: Mon, 27 Mar 2000 19:52:18 -0500

From: S LYON <sslyon@worldnet.att.net>

To: n4so@juno.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [66670] Re: Back again on qrp-l

Message-ID: <38E00242.CA53A14A@worldnet.att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Welcome back, Ken -any hamming to report? will you post a "Trip Report"?  
=S=

n4so@juno.com wrote:

>

> Hello everyone-

>

> This is Ken- N4SO back from a trip and 4.5 months in the Red Sea area

> and Aqaba, Jordan. Just resubscribed to the low power group.

> Ken

> N4S0  
>  
> -----  
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
> Juno now offers FREE Internet Access!  
> Try it today - there's no risk! For your FREE software, visit:  
> <http://dl.www.juno.com/get/tagj>.

--

'Seab' Lyon - AA1MY  
Beacon NY USA FN-31  
QRP-L 574 ARCI 9253

-----  
Date: Mon, 27 Mar 2000 20:39:49 -0700  
From: "Jess Gypin" <jessqrp@uswest.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [66671] TS140S lower price  
Message-ID: <016001bf9867\$44e25400\$0100a8c0@jess>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

It appears that I am out of touch on the price of this rig. Knowing that hams are tight wads (me too) I will lower the price to the current street price. \$450.00. Buyer responsible for shipping costs.

Jess AE0CW

-----  
Date: Mon, 27 Mar 2000 22:42:50 -0500  
From: Randy & Cara Randall <crrandal@seidata.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [66672] Poqet tiny computer for sale.  
Message-ID: <38E02A3A.DCF172D0@seidata.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have for sale a Poqet model 181 computer. It comes with 2 1 meg ram cards, slip case, manual copy, serial adapter, 25 to 9 pin adapter, the Poqet 2400 baud

modem, (looking for modem at the moment) and two new backup batteries for the ram cards and two good ones still installed, and a CD-ROM with programs downloaded from the Poqet page. It is in good cosmetic condition and works 100%.

\$40.00

My wife has a paypal.com account and I can accept a credit card. First come, first gets it. If the first person falls through then it will go to the 2nd person.

73

Randy KB8AS0

--

"Love, and a cough, cannot be hid."

-anonymous

-----  
Date: Mon, 27 Mar 2000 22:47:45 EST  
From: BenNW7DX@aol.com  
To: john@neknetwork.com, qrp-1@lehigh.edu  
Subject: [66673] Re: Using a long wire  
Message-ID: <1e.3200ca0.26118561@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi John,

Something that I do is just attach a half wavelength piece of wire to the ground. This will not substitute for earth ground, but will give you a good counterpoise to work off of. The counterpoise doesn't need to be straight either... you can run it all over the place and still have good results.

Good luck, and I hope you decide to build a DSW-40... it is worth every penny!!

73,

Ben - NW7DX

-----

Date: Mon, 27 Mar 2000 22:55:06 -0500  
From: Randy & Cara Randall <crrandal@seidata.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [66674] Re: Poqet tiny computer for sale.  
Message-ID: <38E02D1A.7A57F8C6@seidata.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Forgot to let you know that buyer pays actual shipping cost for USPS priority.

Randy & Cara Randall wrote:

> I have for sale a Poqet model 181 computer. It comes with 2 1 meg ram  
> cards, slip case,  
> manual copy, serial adapter, 25 to 9 pin adapter, the Poqet 2400 baud  
> modem, (looking for modem at the moment) and two new backup batteries  
> for the ram cards and two good ones still installed, and a CD-ROM with  
> programs downloaded from the Poqet page. It is in good cosmetic  
> condition and works 100%.  
>  
> \$40.00  
>  
> My wife has a paypal.com account and I can accept a credit card.  
> First come, first gets it. If the first person falls through then it  
> will  
> go to the 2nd person.  
>  
> 73  
> Randy KB8AS0  
>  
> --  
> "Love, and a cough, cannot be hid."  
>  
> -anonymous

-----  
Date: Mon, 27 Mar 2000 23:08:48 -0500  
From: Al Patrick <arp@inet4u.com>  
To: john@neknetwork.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [66675] Re: Using a long wire

Message-ID: <38E03050.70236DB9@inet4u.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

john@neknetwork.com wrote:

> good ground is essential when tuning a longwire, but I seriously doubt a  
> good ground will be available on the 10'th floor of a hotel (or the  
> first floor for that matter).  
>  
> So how essential is a good ground under these circumstances? What do  
> others usually do? I really think operating on the road would be a gas.  
>

> John, KB1ENS

John,

Any 3-wire receptacle in the room should provide a groundING screw and / or terminal -- the center terminal somewhat U shaped is the groundING terminal as opposed to the larger of the two slotted terminals being the groundED conductor or current carrying conductor. The groundING conductor is for grounding the frames of equipment and should go to earth back at the main service equipment. Therefore, It should provide a very good EARTH ground - and should be available in EVERY motel or hotel room. Admitted, Some of the older units still may have the older 2-wire plugs but they should be few and far between and you probably wouldn't want to stay in those rooms anyway. <g> It may pay to test them first to be sure.

Al

--

"The Truth is Hate, to Those Who Hate the Truth"

-----

Date: Mon, 27 Mar 2000 23:33:17 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [66676] HB: SMD Rig #4  
Message-ID: <200003280412.XAA22984@wolf.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Hi Gang,

Yeap, up to #4 already and I think this one is finally a keeper. 20M, better than 0.2 uv MDS, draws 50ma on receive, puts out just over 1 watt on transmit, wieghs 4.5 oz and fits in a shirt pocket. Yeap, I think this one will do nicely :-)

Okay, rig #2 used the MC13136 FM chip. The limiting action of the IF amp was nice, but it just made too much darn noise. Didn't seem bad at first, but after awhile...

Canned that one and tried using a little AD607 Rx on a chip. Had high hopes for this one. Sad to say, a waste of time. High level of SWBCI and a lot of filter blow-by. One of the problems with a single chip receiver is internal cross talk between the mixer output and IF amp input. This one is bad. On strong signals, you'd hardly know there was a filter in there! Quite sensitive to noise from the DDS and cpu too. Oh Well, lets build another...

So, that didn't work. Okay, lets try Dave Benson's NE4040 / SW+ / DSW approach, simply using two NE602's. Hey, what'd you know? This works really good. Suprise, suprise :-) I don't think a simpler, more effective approach is possible. I added a UPC8119T MMIC AGC amp to the front end to use as a gain control and it can also add 10 dB of gain. That costs 10 ma of current, so haven't decided yet if it stays or goes. Also added a 386 audio amp for speaker drive.

Yeap, this ones a keeper :-)

72,

Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Mon, 27 Mar 2000 22:23:21 -0600  
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [66677] Re: Using a long wire  
Message-ID: <00f701bf986d\$5a7c0e40\$a8763ed8@aa5tb>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

If you're going to use a single wire for the return current ("counterpoise"), a 1/4 wavelength wire is desired. A 1/2 wavelength wire

will present a high impedance to the tuner and will be as effective as no wire.

I would suggest an antenna that doesn't require a "counterpoise", such a continuous loop, center fed dipole, or an end fed 1/2 wavelength wire.

A hotel room is tough since many of the structures are constructed of steel. As mentioned, an antenna near or out the window will probably be required.

73,  
Steve Yates - AA5TB  
Fort Worth, TX - EM12gs  
<http://home.swbell.net/aa5tb>

----- Original Message -----

From: <BenNW7DX@aol.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Monday, March 27, 2000 9:47 PM  
Subject: Re: Using a long wire

Hi John,

Something that I do is just attach a half wavelength piece of wire to the ground. This will not substitute for earth ground, but will give you a good counterpoise to work off of. The counterpoise doesn't need to be straight either... you can run it all over the place and still have good results.

Good luck, and I hope you decide to build a DSW-40... it is worth every penny!!

73,  
Ben - NW7DX

-----  
Date: Tue, 28 Mar 2000 00:24:36 -0500  
From: "George Heron N2APB" <n2apb@erols.com>  
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@lehigh.edu>  
Subject: [66678] Atlanticon recap - N2APB  
Message-ID: <00e701bf9875\$ec07e840\$d9e63ad0@ire.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit



The reports coming in say it all - Atlanticon was a magnificent success. Even exceeded last year in excitement level and participation. Official count stands at 132 QRPers in attendance, and from the number of handshakes received, smiles recorded on film, and intent-and-content faces seen during the QRP talks on Saturday, I've got to surmise that everyone had a wonderful time.

I'm recovering from the intense preparation leading up to the weekend, and the high level of energy during the weekend, so we'll let the individual recaps stand as good summary of the fun.

And that's what it's all about ... fun. I'll bet that there's a whole bunch of QRPers now feeling more comfortable about making up some Manhattan-style circuits as a result of the weekend. Same too for guys willing to try building something from scratch, or delving into PSK31, or giving the 2N2/6 transceiver a try ... and especially the Happy Dance when deserved. (Just don't blow the whistle too loud in the house :-)

The speakers were just \*brilliant\* in their presentations on Saturday. You can't believe the level of experience and expertise we have in our ranks until you've seen these guys present their material - what a humbling experience to witness these presentations. And it was all given freely and of their own personal time. In some cases flying across the country to do so. From all of us QRPers in attendance, thank you so much for sharing with us!

BTW, we feel particularly proud of the Atlanticon Proceedings - the collection of author papers, plus a couple extra. The quality was really there with 100 pages of spiral-bound QRP reading, including convenient fold-out schematics. We over-printed and are selling the extras at \$10 each (includes shipping). Write check out to "George Heron, N2APB" and send to 2419 Feather Mae Court, Forest Hill, MD 21050. We'll send out your copy immediately upon receipt of order.

Hey, I'm not sure anyone mentioned the badges in their recaps! As mentioned during the introductory talk on Saturday, the badge graphic has special significance, with the PSK31 laptop feeding a 2N2/6 transverter feeding a ladder line into the crack of the Acme Liberty Bell being loaded and resonated. Notice the operator with a Band-Aide on his finger, fretting about getting enough validation contacts on this makeshift antenna.

We also made a very important presentation on Saturday ... the NJQRP "Most Significant Contribution to QRP Award". A beautifully inscribed plaque was awarded by N2APB and W1RFI to DAVE MEACHAM, W6EMD for his design work in updating the Tuna Tin 2 circuit to modern components. It has rejuvenated this classic W1FB project, thus enabling thousands of hams throughout the world to know the thrill of building and operating their own transmitter. W6EMD's dedication to the project has been instrumental in allowing the

NJQRP Club to kit the TT2, providing a major fund-raiser activity for us and helping us to make Atlanticon possible. Thanks so much Dave, and congratulations! (Jim Cates, WA6GER graciously agreed to accept the award on behalf of Dave and present it to him upon returning to the West Coast this coming week.)

One of the truly best results for me at a QRP weekend such as Atlanticon, ArkieCon, Ft Tuthill, Pacificon, etc, is the friendship renewals. The in-person meeting someone for the first time, or the catching up with a previously-made friend is among the highlights of the weekend. Couple this with the expert guidance given in the talks, the very useful examples of others' rigs at the show 'n tells, and the joy of being with others who enjoy the hobby as much as I ... that's what makes these weekends so enjoyable for me.

Thanks to the Speakers (N2CX, N2JGU, NN1G, K1MG, WJ2V proxy for K7Q0, K8IQY and W1RFI) for their personal time and energy investment for us all.

Thanks to the NJQRP (and extended) staff who made it all happen: N2CX, KB2SYT, N2SMH, N2CX, N4NMR, N4LRR, N2TNN, WK8G, K3HW, WA3HBT and WB9NLZ. Your help was of \*immeasurable\* assist.

Thanks to QRP luminaries WA6GER and K7SZ for being present and share in the QRP glow.

And most of all, thanks so much to all you other 111 QRPers for bringing your projects, your SNAPS, your enthusiasm and your QRP spirit in order to make this the most fun Atlanticon so far!

Can't wait for Atlanticon 2001 ... it'll be a true QRP Odyssey!

73, George N2APB  
n2apb@amsat.org  
for the NJQRP Club at <http://www.njqrp.org>

-----  
Date: Tue, 28 Mar 2000 01:41:29 -0500  
From: "George Heron N2APB" <n2apb@erols.com>  
To: "NJQRP" <NJQRP@njqr.org>, "QRP-L" <qrp-l@lehigh.edu>  
Subject: [66679] Atlanticon prize contributions  
Message-ID: <00fc01bf9880\$a750f600\$d9e63ad0@ire.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I forgot to mention in my "thanks" message earlier this evening about the super outpouring of contributions and reduced-price donations coming from many the QRP vendors, clubs and individuals. It's this kind of generosity and altruism that sets the vendor/club/person apart from the rest .... these are the guys really looking to make the hobby expand, provide the QRPers with the opportunities, and generally add value and \*fun\* to our hobby. We thanks you all from the bottom of our hearts!

Red Hot Radio -- RH40 transceiver kit  
Embedded Research -- SuperTick Keyer Kit  
Small Wonder Labs -- DSW-40 & enclosure  
Small Wonder Labs -- Freq-Mites (2)  
MFJ - Cub transceiver  
Elecraft - K2 transceiver kit  
NorCal -- SMK-1 transceiver kits (3)  
NJQRP -- SMK-1 Enclosure Kits (3)  
Emtech -- coax grabbers (3)  
FAR Circuits -- gift certificate  
Super Antennas -- WM-1 antenna  
Morse Express -- PK3 Memory Keyer  
Kanga US -- MW Radio, AF Amp, Diode Checker  
American Key QRP Mfg Co -- little red keys (3)  
Doug Hauff, KE6RIE -- machined straight key  
Tom McCuen, AA2VK -- Poqet computer PQ181  
Chuck Wolfe, KB2SYT -- RF-1 Antenna Analyzer  
ARRL -- 2000 Handbook  
Richard Arland, K7SZ -- "Art & Science of QRP" books (3)  
W1RFI & ARRL -- League publications (6)  
Joe Everhart, N2CX -- Gusher antenna

73, George N2APB  
n2apb@amsat.org  
for the NJQRP Club at <http://www.njqrp.org>

-----  
Date: Tue, 28 Mar 2000 02:45:22 EST  
From: RangerSF5@aol.com  
To: qrp-l@lehigh.edu  
Subject: [66680] update on wa2hoq  
Message-ID: <25.3901556.2611bd12@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

hi gang,again please excuse the writing but the eyes dont allow me to see  
that well yet to mess with caps periods etc  
i feel better or maybe just getting used to the thing that hit me  
i can walk now with no aid but very slow  
left leg seems to have a mind of its own  
wound a core tonight for the nj fireball xmitter and as long as i keep my  
head tilted sideways i can see with no double vision.going for more test on  
wednesday.  
still everything is negitave  
still have not gone to the post office as i can not walk more then 100 feet  
then get dizzy.  
if anyone has sent a mo or check please let me know if you still want items  
or refund.  
the sst is spoken for  
many thatks to the great bunch who sent me well wishes and get well  
prayers.one thing about double vision is that i have more ham gear and get to  
see 2 full moons  
i will try to get the girl at the po to bring my mail over and get everything  
shipped out 1st class mail late  
tomorrow=====at  
tn bob hightower  
a girl was reading my mail to me and i received a letter from a wa3 person.  
he wants to know if a item youn have is still for sail at five dollars.  
i was not able to see enough to read but the person thinks im bob  
hightower.gotta go as the left eye is starting to drift away  
73 and god bless all of you  
bob

-----  
Date: Tue, 28 Mar 2000 04:28:43 EST  
From: K7GT@aol.com  
To: qrp-1@lehigh.edu  
Subject: [66681] RedHot NC20 success; QSK mods to NC20-class xcvr  
Message-ID: <c6.323a186.2611d54b@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I am almost there, folks. I actually built a 2nd xcvr that worked right out of  
the box without an Elmer rescue of any sort. (The first to work was the  
elegantly simple SST!) The NC20 tuned right up and really kicks the power  
meter  
nicely. Every bit of that (sorry, QRO!) 7+W that Dave mentions in his product  
description. The key note is BEAUTIFUL: not a hint of the club version's  
occasional  
whoop. I tried (in vain) to work FO0HWU but not getting her (Denise) was not  
the

receivers fault: the rx works well, too.

The recently repaired (an Elmer intervention) RedHot 40 begged for some work on the QSK delay (T/R). The RH40 uses a .33 uF cap while the RHR NC20 uses a .1 uF cap for C52. Gary Surrency's mods for the RH40 note this along with (to him) an excessive amount of delay on rx recovery. I found that the NC20 (now that it is running) to be better than the RH40 as to QSK rx recovery but still could be improved upon. I cycled through some slightly smaller caps out of the parts stash and came up with the value 0.033 uF that worked very well in the RH40. 0.022 was a bit small and the keying thumps were starting to show up. With the 0.033 uF as C52, it sounds cleaner than the QSK on my big rig OmniVI. As always, your mileage may vary... If you like QSK that lets you listen between the dots at moderate speeds (~30 wpm), this may just be the ticket.

I would like to hear from anyone as to a successful linearization for either the NC20, club or RH version, or the RH40. The tuning is substantially nonlinear.

Worked HB0 on 15m today for #59 towards the DXCC 2000 Millenium award thingie as /QRP. On the down side, I couldn't break the pileups for 9K2 and 4S7 on 20 with 100W and that big KLM yagi at the club station. I guess that leaves me something to work on when I retire...

73 all,

Allan K7GT

k7gt@aol.com (nights) k7gt@qsl.net (days)

-----  
Date: Tue, 28 Mar 2000 06:14:36 -0500  
From: "Pastor-kc1di" <ELBC@PIVOT.NET>  
To: <john@neknetwork.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [66682] Re: Using a long wire  
Message-ID: <005101bf98a6\$ce7aa340\$1a1299d0@elbc>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

----- Original Message -----

From: <john@neknetwork.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Monday, March 27, 2000 10:07 PM

Subject: Using a long wire

> Hello QRP'ers,

>

> I may have a chance to do some traveling on business during the year,  
> and would love to spend some time operating my QRP rigs from a hotel.  
> Right now I've got an SW80+ and FB40. I've got a RS shortwave that makes  
> for a fairly decent receiver for the FB40 - I may build a DSW 40 real  
> soon though, so perhaps I won't need the FB40.

>

> Anyway, I don't have a QRP antenna tuner per se, but my regular tuner is  
> an MFJ949E that isn't too big and has a switch that shows QRP levels  
> (sort of). I don't think using a dipole for 80 or 40 meters will be  
> practical from a hotel room, so I'm wondering about dangling a longwire  
> out a window and using the MFJ tuner. The docs for the tuner say that a  
> good ground is essential when tuning a longwire, but I seriously doubt a  
> good ground will be available on the 10'th floor of a hotel (or the  
> first floor for that matter).

>

> So how essential is a good ground under these circumstances? What do  
> others usually do? I really think operating on the road would be a gas.

>

> 72,

>

> John, KB1ENS

>

>

> --

> John Wagner - john@neknetwork.com

> Web page: <http://www.neknetwork.com>

> Affordable web site hosting under your domain name!

> C/C++, Perl, CGI, RDBMS, Web site creation and

> Network Administration

Hi John,

Cut a peice of wire 1/4 wave long for each band you plan to operate. This should be attached to the ground post of the Antenna tuner. it will work ok and put you on the air.

some have said to use a 1/2wave wire.. but unless a 1/2 wave wire is attached to a very good earth ground it will show high impedance at the

tuner and do little or no good at all..  
73 good luck  
Dave KC1DI

PS one poster said to use the hotel power ground this is not a good safety  
Idea, and water pipes may be all plastic with just a little metal going to  
fixtures so they are unreliable also..  
>

-----  
Date: Tue, 28 Mar 2000 06:18:33 EST  
From: Wa3ptg@aol.com  
To: wd3p@juno.com, qrp-l@lehigh.edu  
Subject: [66683] Re: RI - How Hard to Get?  
Message-ID: <4d.269bfbc.2611ef09@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 3/27/00 8:51:25 PM Eastern Standard Time, wd3p@juno.com  
writes:

> On Mon, 27 Mar 2000 10:12:45 -0800 "Bob Tellefsen" <n6wg@earthlink.net>  
> writes:  
> > Hi Ed  
> > If you want to see something hard to get, try Delaware on 40m QRP  
> > :-)  
> > 73, Bob N6WG

I've only worked Delaware once, and I live there! :) Seriously, where are all  
the Delaware hams? It would be nice if there were enough QRPers here to car  
pool up to Princeton for NJQRP meetings.

72 DE WA3PTG  
Harry (Hap) Hurst NJQRP-EPAQRP  
Wilmington DE QRP-L #1464  
"Living in a ham radio desert."

-----  
Date: Tue, 28 Mar 2000 06:41:45 -0500  
From: jmarran@juno.com  
To: qrp-l@lehigh.edu  
Subject: [66684] QRP and other stuff FS  
Message-ID: <20000328.064148.-483627.4.JMarran@juno.com>

MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

HI ALL:

Moving into new condo...haven't quite got the room that I have here now,  
so some stuff must go:

Heathkit HW-30 (2 meter)..with manual, ORIGINAL microphone, all cables,  
and 3 XTALS-\$35/OBO

QRP KIT RADIOS: Includes an OXO, a Ramsey QRP-80, Ramsey QRP-20, 2 Pixie  
kits all are assembled, all have XTALS...\$30/OBO

Vy 73,

John Marranta, Jr  
KB2HSH

-----  
Date: Mon, 27 Mar 2000 20:55:37 -0600  
From: markmilburn <markmilburn@netzero.net>  
To: cjcara@nail.com  
Cc: QRP-L <qrp-l@lehigh.edu>  
Subject: [66685] Re: Zombies  
Message-ID: <38E01F29.26618756@netzero.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Was I unclear on what I said? This is not the place for political  
discussions. It is not a place to start flame wars. It is not a joke  
reflector. It is a reflector about ham radio. It is poor judgement to  
post things of this nature here.  
72 Mark

"Carlos J. Caro" wrote:

>  
> Mark,  
>  
> Thats the chance that Brad took. BUT what if he is right ???  
>  
> No Humbug, just Best Regards.  
>



> Carlos #1333  
>  
> I hope you will not be surprised that I am offended by this use of the  
> QRP-L. How in the world can anybody post this kind of thing on a ham radio  
> reflector and not be censured for it?  
>  
> Bah humbug.  
>  
> 72 Mark  
>  
> "Mugleston, Brad" wrote  
>  
> Here's something everyone should know:  
>  
> On July 8, 1947, witnesses claim a spaceship with five aliens aboard  
> crashed on a sheep-and-cattle ranch outside Roswell, NM, an incident they  
> say has been covered up by the military.  
>  
> On March 31, 1948, exactly nine months after that day, Al Gore was born.  
>  
> That clears up a lot of things  
>  
> -----

-----  
NetZero - Defenders of the Free World  
Get your FREE Internet Access and Email at  
<http://www.netzero.net/download/index.html>

-----  
Date: Tue, 28 Mar 2000 07:23:50 EST  
From: Wb8siw@aol.com  
To: john@neknetwork.com, qrp-l@lehigh.edu  
Subject: [66686] Re: Using a long wire  
Message-ID: <ba.35034fe.2611fe56@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 03/27/2000 10:14:06 PM Eastern Standard Time,  
john@neknetwork.com writes:

<< So how essential is a good ground under these circumstances? What do  
others usually do? I really think operating on the road would be a gas. >>

Hi John:

I travel quite a bit, and usually take a QRP rig along, so perhaps a few of my experiences will help.

I usually take along a random wire for antenna. It's just No. 26 stranded on a chalk-line reel (disassemble the reel, replace the chalk line with the stranded No. 26, and reassemble). For a ground, I typically use either of two options:

- 1) I have a short length (about 15 feet) of tinned copper braid ground conductor with a large alligator clip on one end.
- 2) A second random wire of No. 26 stranded on a reel.

The former allows me to take advantage of a suitable ground if one is available, such as a cold water pipe in the bathroom, steam heating device, and so forth. This is quite rare in the newer hotels, with todays plastic plumbing and so forth, but it can be advantageous in older facilities.

The later option allows me to create a counterpoise using a random length of wire in the event that the building offers few grounding opportunities. I just connect the wire reel to the ground post and then run it out to a suitable length. I also use this later option during portable operation in the field. I'm not much for "messing" with ground rods and similar labor intensive devices during portable ops.

Hope that helps.

73, Jim WB8SIW

-----  
Date: Tue, 28 Mar 2000 07:34:07 EST  
From: Wb8siw@aol.com  
To: arp@inet4u.com, qrp-1@lehigh.edu  
Subject: [66687] Re: Using a long wire  
Message-ID: <3e.202b070.261200bf@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 03/27/2000 11:09:34 PM Eastern Standard Time, arp@inet4u.com writes:

<< John,

Any 3-wire receptacle in the room should provide a groundING screw and / or

terminal -- the center terminal somewhat U shaped is the groundING terminal as opposed to the larger of the two slotted terminals being the groundED conductor or current carrying conductor. The groundING conductor is for grounding the frames of equipment and should go to earth back at the main service equipment. Therefore, It should provide a very good EARTH ground - and should be available in EVERY motel or hotel room. Admitted, Some of the older units still may have the older 2-wire plugs but they should be few and far between and you probably wouldn't want to stay in those rooms anyway. <g> It may pay to test them first to be sure. >>

-----  
-----  
Hi Al:

I just have to add a comment. This idea is probably OK under many circumstances, but potentially problematic, particularly for any higher power level. RF can develop significant voltages at points along a conductor. I would be uncomfortable under some circumstances because one can not be familiar with the condition of the AC ground, it's route, or what type of device(s) may be connected along it's length. Likewise, a fault in the safety ground combined with a defective device interconnected with it, while unlikely, could cause significant problems.

An AC Mains ground is designed to work at 60 Hz, not High Frequencies, and therefore, it's a slightly different "animal."

73, Jim WB8SIW

----Switch to Safety----

-----  
Date: Tue, 28 Mar 2000 07:44:53 -0500  
From: Randy & Cara Randall <crrandal@seidata.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [66688] Re: Poqet tiny computer for sale.  
Message-ID: <38E0A945.29A510B4@seidata.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

There computer has been spoken for. Thanks to all who replied.

73

Randy.

Randy & Cara Randall wrote:

> I have for sale a Poqet model 181 computer. It comes with 2 1 meg ram  
> cards, slip case,  
> manual copy, serial adapter, 25 to 9 pin adapter, the Poqet 2400 baud  
> modem, (looking for modem at the moment) and two new backup batteries  
> for the ram cards and two good ones still installed, and a CD-ROM with  
> programs downloaded from the Poqet page. It is in good cosmetic  
> condition and works 100%.  
>  
> \$40.00  
>  
> My wife has a paypal.com account and I can accept a credit card.  
> First come, first gets it. If the first person falls through then it  
> will  
> go to the 2nd person.  
>  
> 73  
> Randy KB8AS0  
>  
> --  
> "Love, and a cough, cannot be hid."  
>  
> -anonymous

--

"Love, and a cough, cannot be hid."

-anonymous

-----  
Date: Tue, 28 Mar 2000 08:22:51 EST  
From: Macstein@aol.com  
To: qrp-l@lehigh.edu  
Subject: [66689] FS: Shack Cleaning...  
Message-ID: <dc.2163e2f.26120c2b@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I'm posting for a friend. Please reply to: chaskd4y1lg@msn.com

For sale:

AZDEN 6 mtr FM PES 7500H - \$250  
MFJ 9+1 Versa Tuner - \$90  
Kent Morse Oscillator - \$20

MFJ Code Tutor - \$45  
Howes Crystal Calibrator - \$35  
Howes Dual Band Filter - \$40  
Ten Tec Counterpoise - \$45  
AMV. 40 Mtr CW Transceiver - \$250  
DAIWA 2 switch - \$20  
Kent Straight Key - \$50  
Hi Mound Straight Key - \$40  
Hi Mound Straight Key UK70L - \$40  
Ten Tec PE 320x - \$200  
MFJ Econ Keyer II - \$30  
MFJ Tuner 81b - \$20  
Funk QRP-PA Amplifier Kit - \$40

Thanks, and again, please reply directly to Charles. chaskd4y1g@msn.com

72  
-MAC-  
AF4PS  
Odessa, FL

-----  
Date: Tue, 28 Mar 2000 08:31:13 -0500  
From: Ronald\_A\_Pfeiffer@res.raytheon.com  
To: qrp-1@Lehigh.EDU  
Subject: [66690] FS: STATUS QRP STUFF  
Message-ID: <852568B0.004A4663.00@ressud-as01.res.ray.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

All prices include shipping in CONUS:

sold 1. 38Special, built with all pots,etc. no mods. \$30  
sold 2. Emtech ZM-2 tuner kit unassembled. \$45  
sold 3. Emtech AF-1 audio filter assembled \$15

still available

4. SW40+ professionally built in SWL encl,  
RIT kit not assembled \$113 value \$80  
5. 'Melt-Solder' Steve Weber Keyer kit \$30

Ron - N1ZSW

Ps - tnx to all who repsonded.

-----  
Date: Tue, 28 Mar 2000 08:39:29 EST  
From: W8IRQ@aol.com  
To: qrp-1@lehigh.edu  
Subject: [66691] WTD Manual for CW Sending Machine  
Message-ID: <6f.2d97afd.26121011@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Anybody have a copy of one, or a schematic? Picked this up at a local Hamfest. Also picked up an Autronics paddle. Looks like one of the original Iambic paddles. Price new, was \$16.95, payments can be arranged. Got to be a collectors item, hi. Nick, W8IRQ

-----  
Date: Tue, 28 Mar 2000 08:02:59 -0600  
From: Dan Copeland <n0dt@alltel.net>  
To: brad.mugleston@gwl.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [66692] Re: Zombies  
Message-ID: <4.2.2.20000328080212.00abb270@pop.alltel.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

This is great!! Answers a lot of questions!!

Dan

At 08:22 AM 3/27/00 -0700, Mugleston, Brad wrote:

>Here's something everyone should know:

>

> On July 8, 1947, witnesses claim a spaceship with five aliens aboard  
>crashed

> on a sheep-and-cattle ranch outside Roswell, NM, an incident they say has  
> been covered up by the military.

>

> On March 31, 1948, exactly nine months after that day, Al Gore was born.

>

> That clears up a lot of things

-----

Date: Tue, 28 Mar 2000 08:07:26 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Low Power Group <qrp-1@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>  
Subject: [66693] QST 1929  
Message-ID: <Pine.LNX.3.95.1000328075823.17347A-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I recently came across 3 old QST magazines that I have and started flipping through them...the "flipping through" has lead to reading some of the articles...this has lead to a "can't put it down" scenario...I can't stop reading it.....it seems like the days of QRP started way back then...fascinating.....especially articles by the "Old Man"....seems like the hams back then were battling the same battles that we struggle with today.....the one I'm going through right now is September 1929...the other two are 1930 QSTs.....so if you have any of these older QSTs, don't let them gather dust on the shelf....get them out and read them folks!

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Tue, 28 Mar 2000 09:12:32 -0500  
From: "Craig A. Ferris" <cferris@aeronix.com>  
To: qrp-1@Lehigh.EDU  
Subject: [66694] SWAP:Dentron 40m MLX-mini project for ???  
Message-ID: <38E0BDD0.A5270864@aeronix.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The unit is disassembled, but complete, with documentation. I was working on replacing the vfo and doubler (separate boards) with a synthesizer. If interested, reply direct. Would like to swap for a GM-15, DSW, WM-2, KC-2, etc. Let me know what you have.

72/73

Craig NR4E

-----  
Date: Tue, 28 Mar 2000 08:24:57 CST

From: "Tim Stabler" <tstabler@iunhaw1.iun.indiana.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [66695] Re: QRP-L digest 1773  
Message-ID: <1A838E029EA@iunhaw1.iun.indiana.edu>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

I just read this morning's QRP-L digest and the many wonderful comments about Atlanticon 2000. I agree with everyone. It was fantastic meeting and everyone just jumped right in to make everyone feel at home. The facilities were excellent although there were some "negative" comments regarding food service at the hotel. But I understand they had just started a new food service and to get hit with Atlanticon that weekend really did not fit in with their (or anyone's) plans.

As I recall, someone said #140 won the big prize. Sorry, it was me at 104. I did work registration and we had over 140 people signed in although there were a few "no-shows".

George did do a fantastic job and I am sure he is worn out at this point. But, I am sure that everyone who attended will say it was a meeting to remember.

I will let everyone else talk about the meeting as I have to get ready for class (for the rest of the day), but , at the "request" of Elecraft did want to say I was the one who walked away with the K2 kit. If you have built a K2 or played with one, please let me know what to expect. I have heard many excellent comments but this will surely be an adventure for me. I still pinch myself and look to see if the box is still there. I pinched myself all the way back to Indiana, but the box remained on the front seat of my car (passenger side, or course).

When I left Atlanticon, I told George to sign me up for Atlanticon 2001. I, like all others who were there, are looking forward to the next one.

72 & 73,  
Tim  
WB9NLZ

Timothy A. Stabler, Ph.D.  
Department of Biology  
Indiana University Northwest  
Gary, IN 46408



(219)980-6718  
FAX: (219)980-7125

-----  
Date: Tue, 28 Mar 2000 09:36:49 -0500  
From: "Jim Barrett - KC2DCC" <jbarrett@stny.rr.com>  
To: <qrp-1@lehigh.edu>  
Subject: [66696] The MOJO works! But, a question...  
Message-ID: <001101bf98c3\$0dc01500\$1c335e18@stny.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Since completing K2 S/N 919 two weeks ago, I have been in Ham HeavenT... A little background is in order. I've been licensed for a little over two years, but prior to the K2, my only rig has been an Emtech NW-40. Being limited to 40 meters only, all of my contacts to date have been "domestic". Even so, I have confirmed 32 states, 4 Canadian provinces and Mexico - all at 5 watts or less.

So, for me, having a rig with ALL HF bands is like a kid being given the keys to the candy store. Just past midnight the other night I noted that 20 meters had quite a bit of activity, so I sent a quick CQ on 14.060... to my surprise and delight, I received an immediate response from Tom, DL4VM in the Saar region of Germany. He was also running 5 watts! Despite occasional bursts of QRN at my end, we were able to carry on a nice QSO, with 559 reports on both ends.

This was not only my first DX contact with the K2 - it was my first DX contact "period", since becoming a ham. Whatta feeling!

Now, I realize that for you "old hands", an East Coast to Europe QSO is pretty "routine", but as in many other areas of life, the "first time" is memorable indeed :)

Anyway, this brings up a question - what is the best procedure to follow for QSLing DX stations? I've discovered several on-line callbooks for European countries - but not for Germany. I know that many DX stations make use of QSL managers, but that does not appear to be the case in DL4VM's case.

Any advice/pointers would be appreciated.

72 es 73

Jim Barrett - KC2DCC

-----  
Date: Tue, 28 Mar 2000 09:45:54 EST  
From: Wb8siw@aol.com  
To: rattray@gpfn.sk.ca, qrp-1@lehigh.edu  
Subject: [66697] Re: QST 1929  
Message-ID: <c9.2ba6b0d.26121fa2@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 03/28/2000 9:08:51 AM Eastern Standard Time,  
rattray@gpfn.sk.ca writes:

<< I recently came across 3 old QST magazines that I have and started  
flipping through them...the "flipping through" has lead to reading some  
of the articles...this has lead to a "can't put it down" scenario...I  
can't stop reading it.....it seems like the days of QRP started way back  
then...fascinating.....especially articles by the  
"Old Man"....seems like the hams back then were battling the same battles  
that we struggle with today.....the one I'm going through right now is  
September 1929...the other two are 1930 QSTs.....so if you have any of  
these older QSTs, don't let them gather dust on the shelf....get them out  
and read them folks!

>>  
Hi Bruce:

I enjoyed your comments. I also have old QSTs and other radio mags going  
back to the WW One era. Quite a few contain articles about "QRP" operation.  
For example, a 1925 issue of "Radio News" contains an Amateur Radio column  
entitled "Let's Reduce Power."

The 1920s were also a time during which QRP operators started this  
"miles-per-watt" thing. There's mention of this in the book "Two Hundred  
Meters and Down" in which a World's Record for Miles per Watt is identified.

Perhaps most entertaining to read are the complaints about "bad signals,"  
"rude operators," "failure to QSL," and so forth. Once again, the more  
things change, the more they stay the same.

LOL.

73, Jim WB8SIW

-----  
Date: Tue, 28 Mar 2000 08:55:54 -0600  
From: Jim Giammanco <giamman@rouge.phys.lsu.edu>  
To: QRP-L@Lehigh.edu  
Subject: [66698] OPERATING: USS Kidd commissioning anniversary  
Message-ID: <3.0.1.32.20000328085554.007c0100@rouge.phys.lsu.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I'll be aboard the USS Kidd museum ship (WW2 Destroyer DD-661) today from about 1530 Z 'till about 2000 Z operating to commemorate the anniversary of the ship's commissioning in 1943. If I'm the only op, which is likely, this will be an all cw day, near the QRP frequencies on 20, 15, and 10. Look for spots on the DX cluster.

QSL via W5GIX. Send your card and a business-size SASE for a card. Send your card, a 9x12 (if you don't want it folded) SASE, with 55 cents postage, and \$1 for a QSL card and certificate that can be endorsed for future "special days" QSO's.

All ashore who's going ashore...

72  
Jim N5IB

-----  
Date: Tue, 28 Mar 2000 07:57:49 -0700 (MST)  
From: "Mark E. Monninger" <markem@primenet.com>  
To: qrp-l@lehigh.edu  
Cc: ai7r@presenceknown.com  
Subject: [66699] FS: A Couple of HW-9's (one un-assembled)  
Message-ID: <Pine.BSI.3.96.1000328074154.19031A-100000@usr08.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Greetings all...

A friend of mine who is not a list member has a couple of Heath HW-9's for sale.

One is an un-assembled kit. The box has been opened but all parts are there. It includes the WARC kit.

The second is actually a complete HW-9 station: HW-9 with WARC, matching power supply, tuner, and swr bridge (I think that's what it

includes, contact him to be sure). It all works FB and is excellent cosmetically. He does not want to break up this set.

He's asking \$500 for each, that is \$500 for the kit and \$500 for the station. Prices include shipping CONUS.

If you're interested, contact him, Dave, AI7R, at ai7r@presenceknown.com for more details.

Disclaimer:

This info is from memory so you should verify it all directly from the seller to be sure. Any mis-representation on my part is un-intentional. I have no financial stake here, just trying to be helpful.

73... Mark AA7TA

-----  
Date: Tue, 28 Mar 2000 10:02:59 -0500  
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>  
To: NJ QRP Club <njqrp@njqrp.org>, NoVa QRP group <NoVaQRP@topica.com>, QRP-L <qrp-l@lehigh.edu>  
Subject: [66700] GU3MBS on 24.898.6 at 1500z on 28Mar00  
Message-ID: <38E0C9A3.A97CB53C@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Just worked Guernsey on 12m with 4w to the attic dipole.

Jake -- N4UY  
Vienna, VA  
(Wash DC suburbs)

-----  
Date: Tue, 28 Mar 2000 10:11:24 -0500  
From: Jim Stafford <w4qo@amsat.org>  
To: qrp-l@lehigh.edu  
Cc: Randy Foltz <rfoltz@turbonet.com>, markmilburn <markmilburn@netzero.net>, qrparki@listbot.com  
Subject: [66701] [CLUB] QRP ARCI Spring Contest - APRIL 8/9  
Message-ID: <38E0CB9C.F9860386@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Gang,

Don't forget the big one coming up in 10 days! It's a CW contest with a maximum of 24 hours of operating. Even if you are not a regular tester, come on out and join us for a few hours. Just give RST, State-Province-Country (oh, that's what SPC stands for), and your QRP ARCI number or your power output. Couldn't be simpler.

Don't have an ARCI number? Go to: <http://www.qrparci.org/arcijoin.html> for a membership/subscription blank. For NEW members, if you would like to use your credit card and the online registration form, from today til the contest, you may use the online form, even though you are not a DX station. Just go to: <http://www.qrparci.org/dxsignup.htm> and fill out the form and put in the comments: "Jim said I could use this" No renewals, just NEW members ONLY please, at this time. For NEW members, if you get your credit card or postal application to Mark Milburn by Friday noon, April 7 with an email address, he will get you your ARCI number before the start of the contest!

For full details on the contest, go to:  
<http://personal.palouse.net/rfoltz/arci/spring.htm> And don't forget the online contest entry form on the web site, developed by our Contest Manager, Randy Foltz, K7TQ. Online Soapbox too!

Thanks to all who participate and all who make the contest happen.

--

Jim Stafford/w4qo/president/webmaster/etc/etc QRP ARCI  
The Thrill is Back - QRP Is! 770-993-9500  
<http://www.america.net/~w4qo> w4qo@arrl.net

-----  
Date: Tue, 28 Mar 2000 09:19:56 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Wb8siw@aol.com  
Cc: qrp-l@lehigh.edu  
Subject: [66702] Re: QST 1929  
Message-ID: <Pine.LNX.3.95.1000328091752.22922A-1000000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 28 Mar 2000 Wb8siw@aol.com wrote:

> In a message dated 03/28/2000 9:08:51 AM Eastern Standard Time,  
> rattray@gpfn.sk.ca writes:  
>  
> << I recently came across 3 old QST magazines that I have and started  
> flipping through them...the "flipping through" has lead to reading some  
> of the articles...this has lead to a "can't put it down" scenario...I  
  
> Hi Bruce:  
>  
> I enjoyed your comments. I also have old QSTs and other radio mags going  
> back to the WW One era. Quite a few contain articles about "QRP" operation.

> "rude operators," "failure to QSL," and so forth. Once again, the more  
> things change, the more they stay the same.

.....isn't it one of the the "truths of life" Jim?....I think weshould  
always be looking back so we can go forward in a positive direction...72  
- Bruce (VE5RC+VE5QRP)

>  
> LOL.  
>  
> 73, Jim WB8SIW  
>

-----  
  
Date: Tue, 28 Mar 2000 10:10:54 CST  
From: "Tim Stabler" <tstabler@iunhaw1.iun.indiana.edu>  
To: qrp-l@lehigh.edu  
Subject: [66703] rcvr  
Message-ID: <1A9FCE80B45@iunhaw1.iun.indiana.edu>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Where can I find a schematic for the MRX receiver?? At Atlanticon, I  
saw a tuna tin 2-MRX that Chuck Adams had made Mahattan-style and  
would like to give something like a try, not that I understand  
Manhattan-style.

Thansk

Tim  
WB9NLZ

Timothy A. Stabler, Ph.D.  
Department of Biology  
Indiana University Northwest  
Gary, IN 46408

(219)980-6718  
FAX: (219)980-7125

-----  
Date: Tue, 28 Mar 2000 11:31:35 -0800  
From: Paul Egan <paulegan@cgocable.net>  
To: qrp-1@Lehigh.EDU  
Subject: [66704] Who sells NE602  
Message-ID: <3.0.32.20000328113134.007ddc20@cgocable.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I assume the NE602S and LM602 are essentially the same part. Am I correct on this?

I see that Dan's Small Parts carries this item, but his \$7 shipping to Canada seems a bit high (especially for a \$2.65 part).

I don't see it a Mouser or Jameco. Any other sources?

Thanks.

Paul Egan VE3GFY

-----  
Date: Tue, 28 Mar 2000 08:31:11 -0800  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateru Radio Discussion <qrp-1@lehigh.edu>  
Subject: [66705] Mojo and the Bug man (TM).  
Message-ID: <38E0DE4F.B3BC5493@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

This will probably sound embellished but perhaps not.

Over the last few years I've had the pleasure of a QSO with Jim/N6JUG. Now, Jim is a bug user. I mean, this guy may have sparked my subconscious into my own bug addiction. Recently I posted about my goals regarding CW tools. I want to be surrounded by fine semi-automatic keys, straight keys, cootie keys, you name it. Mal/N7GS rescued me with a very nice signal engineers straight key that plays very well. I have

used it more qso's than my other straight keys already. Mal's great gift is one of the Ham Mojo things. One reason why I built all these K2's for free. The straight key gets me started on my dream. And I've borrowed the Lightning bug from Bill/KF6RMK/AG. Also Doug/K6RPN, who furnished the Vibroplex original, is loaning a Blue Racer for awhile. Fun!

Back to N6JUG. Yesterday I worked Jim, who lives in a van or RV or something. This guy has to start up the engine now and then and has a small warble in his signal, but not bad. Jim likes to swing. He likes to go clean and pure. His sending can change just about any way he wants.

My wife, Shannon, always warns me when I'm on the land-line telephone that I always end up unconsciously matching the caller's accent and dialect. Guess I'm that way. Well Jim tells me yesterday that he has a practice of sending with his bug in a manner matching the other party. I found this very interesting.

Now, I'm only 41 years old. Still wet behind the ears in many ways, with learning the bug one of them -- there's more there than sending 3:1 ratio code. Not that I recommend, or even am trying, to send otherwise. I've always said, if there is a swing, it will be that which occurs naturally after years of trying to produce perfect 3:1 code. And that will be your swing. Not something you practice towards -- but that which evolves through your practice.

Anyhow, Jim can run up to about 70 WPM and did so at times yesterday. I was actually getting most of what he said and know the QRQ net has helped. Jim tells me he home brews or modified ALL of his 25 bugs in the van. He's used Vibroplex Champion baseplates for all of them. He also mentioned something about all the weights are homebrew, made from nails and plastic or something. I missed some of that since he was over 60 WPM during that story. He's got the straight keys all there and from what I could tell, he has them all connected and ready to go somehow. I think he went through 7 different bugs during the qso and even switched between BT's to the other bugs. Uncanny.

This picture is darn near what I had in mind and I didn't even realize it. Maybe I will meet Jim someday as he is only 80 minute's drive away.

We carried on a rag chew for just over an hour with QRS and QRQ. I have a log entry back in 1997 with Jim and I noted: "Big QRQ dude, 30 WPM!" Har!



Yesterday I QRS'd down to 27 WPM to save the  
carpal injuries. At least this time Jim didn't get away  
from me with his speed. Seems every 6 months he  
tests my skill and I've had to ask for repeats or ask  
details of sending speed tips. This time we got to  
chat about many other issues.

His swing is a challenge, but that is his way of talking.

Perhaps I won't be using bent nails as weights, opting  
for crafted homebrew weights with elegance, I will  
always enjoy the thought of this "Bug Master" and  
his garden of semi-automatic keys.

72/Ed we6w

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068  
<http://www.qsl.net/we6w> Santa Rosa, CA  
Brain, only as strong as its weakest think.

-----  
Date: Tue, 28 Mar 2000 10:46:14 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>  
Subject: [66706] FS:new qrp rig.  
Message-ID: <Pine.LNX.3.95.1000328081527.18729A-1000000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have a White Mountain 20 mtr SSB qrp kit that I haven't had time to even  
start building...too many irons in the fire....so I'm offering it for sale  
at \$80 US...this includes shipping to Canada or the U.S.A.....includes  
manual of course...if interested, please e-mail me direct.....thank you..

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Tue, 28 Mar 2000 12:11:59 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>

To: qrp-1@lehigh.edu  
Subject: [66707] Boosting power  
Message-ID: <200003281651.LAA27861@wolf.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

There have been a couple of recent posts about boosting the power out of various QRP rig kits.

I hate to sound like an old goat, but unless you have a spectrum analyzer, it's probably best to leave well enough alone. Trying to get too much, from too little, in too small a space, often leads to getting less of what you want and too much of what you don't.

Can't tell you how many times I've been so pleased with myself with all the power out I'm getting, only to find it's mostly hash when I finally look at it with the SA. Often times the hash is concentrated around the desired output frequency, so a SWR test may not show that it's there. Lacking a Spectrum Analyzer, having a FM radio playing in the background while you work can be a good indicator that the amplifier is becoming unstable or is being over driven. When the radio goes nuts, you know it's time to back off on the drive! If the output transistor starts to get real hot, that's also a sign something might be wrong.

More often than not, the transmitter in your QRP kit is already working pretty much to it's full potential. The designer of the rig (hopefully) set things up so the transmitter would reliably work. If it was possible to get much more output, reliably and with proper stability, they probably would have. In some cases, it's not the parts that limit the power out, but the board layout. Not much one can do about that.

So, if you want to "Hot Rod" your rig, be carefull. If at all possible, find someone with a specturm analyzer to check the output before putting it on the air!

72,

Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----

Date: Tue, 28 Mar 2000 09:44:42 -0700  
From: "Rod, N0RC" <n0rc@qsl.net>  
To: <elecraft@qth.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [66708] W5KID/N5IB on 21061 now 16:30  
Message-ID: <000101bf98d5\$f8b17a60\$cb101004@compaq>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Folks:

Just worked our friend Jim, N5IB on 15m 569/559. Go get 'em.

Jim mentioned in our QSO that he would be ordering a K2 this week. So let's get on the air and give a big K2 showing/welcome for his efforts.

---

72/3 Rod, N0RC -- Fort Collins, CO

-----  
Date: Tue, 28 Mar 2000 12:04:55 -0500  
From: Michael Ostrowski <mostrowski@CreativeSolutions.com>  
To: paulegan@cgocable.net, Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [66709] RE: Who sells NE602  
Message-ID: <C17F1AF032ECD21180C100A024BB8E2E019D9F2A@xmail.creativesol.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Best price I've found on the 602 is from  
Buckeye electronics <http://www2.wcoil.com/~buckeye/>  
\$2 ea or 10/\$15. (\$4.50 shipping)

Michael Ostrowski - KI8IK  
Saline, MI

KI8IK@arrl.net

-----  
Date: Tue, 28 Mar 2000 17:07:18 +0100  
From: "David Hurley,n2zhy" <n2zhy@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>, NJQRP <njqrp@njqrp.org>  
Subject: [66710] OPERATING: USS KIDD Commissioning Anniversary  
Message-ID: <38E0D8B6.7AB5BB89@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Cool!

Just worked one of our own, Jim/N5IB, aboard the USS Kidd. He was running 30 watts but plans to go qrp later. He will be around till about 2000utc.

1650 utc 21.062 W5KID Jim/n5ib

David Hurley,n2zhy  
Princeton,NJ

-----  
Date: Tue, 28 Mar 2000 09:12:41 -0800 (PST)  
From: Stan Yarema <bg783@scn.org>  
To: qrp-l@lehigh.edu  
Subject: [66711] FS: More QRP+'s  
Message-ID: <Pine.SUN.3.96.1000328090708.11261A-1000000@scn>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

About a dozen radios have sold over the last 2 weeks. I'll continue to build them into April. If demand continues, more could follow after some time to prep toroids and stuff boards. Thanks for all the interest...72

**\*\* QRP+ AVAILABLE IN LIMITED QUANTITY \*\***

During the time Index was producing radios I was handling the production and test of the new radios. I continue to provide customer support on a part time basis.

Over the past year or so, I've accumulated the remaining pieces from Index and the two subcontractors that built the radios. There is much more than needed for service. So, I'm offering some radios to those that missed a chance to get one before. There are a number of RF and AF boards "pulled" from ++ conversions. I've combined those with recently stuffed and wave soldered boards for the rest of the radio. ( there are 5 boards altogether ) So, these will be sold as used/reconditioned units at used prices. These radios are 75% new and fully tested and calibrated as were the production units.

**\*\* NO 'UPGRADES' ARE POSSIBLE SINCE NO BOARDS ARE AVAILABLE \*\***

**\*\* THE "CLASSIC QRP+" CAN BE SUPPLIED WITH BACKLIT DISPLAY/S-METER \*\***

ALL bands 160-10 meters, general coverage RX, SSB & CW, plug-and-play

"CLASSIC QRP+" - \$330 WITHOUT backlight

\$370 WITH switchable BACKLIGHTING  
< 300 mA in RX with backlite, 140 mA off

Power cord and manual included, add \$10 for shipping

-----

Respond directly to :

Stan Yarema, K7SY (206) 285-8941, bg783@scn.org  
3457 12th Ave West, Seattle Wa 98119

-----  
Date: Tue, 28 Mar 2000 12:14:49 -0500  
From: "AI2Q Alex" <ai2q@ispchannel.com>  
To: <jbarrett@stny.rr.com>  
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>  
Subject: [66712] RE: The MOJO works! But, a question...  
Message-ID: <000601bf98d9\$20517e00\$5c32a7d0@ispchannel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Jim:

The DL hams are notorious for being diligent QSLers! If you wish to send him a card, probably the best way is to use the ARRL outgoing QSL Bureau (if you're a member), or send it direct to his callbook address. Cross-check his address on both the on-line Buckmaster and QRZ servers.

What I do when QSLing direct, or to an overseas manager, is use two airmail envelopes, one large and one small. I put my address on the smaller one, insert my QSL card in the flap, and put a folded IRC in there too, where it can be seen as he opens it. I then insert the whole shebang--with the folded edges at the bottom so nothing will get damaged when he opens the envelope--into the big envelope, which is where his direct address goes. I then mail it airmail. Usually 60-cents of postage.

For some Third World countries, I also cut a small triangle off the lower left hand corner of the big envelope. That permits a postal inspector to flex the envelope and peer inside to see if there's anything of value in

there. If he sees a dollar bill, for example, he may open the envelope to snatch it--and then trash the letter! The little slit helps avoid that.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Jim Barrett - KC2DCC

Sent: Tuesday, March 28, 2000 9:37 AM

To: Low Power Amateur Radio Discussion

Subject: The MOJO works! But, a question...

Since completing K2 S/N 919 two weeks ago, I have been in Ham HeavenT... A little background is in order. I've been licensed for a little over two years, but prior to the K2, my only rig has been an Emtech NW-40. Being limited to 40 meters only, all of my contacts to date have been "domestic". Even so, I have confirmed 32 states, 4 Canadian provinces and Mexico - all at 5 watts or less.

So, for me, having a rig with ALL HF bands is like a kid being given the keys to the candy store. Just past midnight the other night I noted that 20 meters had quite a bit of activity, so I sent a quick CQ on 14.060... to my surprise and delight, I received an immediate response from Tom, DL4VM in the Saar region of Germany. He was also running 5 watts! Despite occasional bursts of QRN at my end, we were able to carry on a nice QSO, with 559 reports on both ends.

This was not only my first DX contact with the K2 - it was my first DX contact "period", since becoming a ham. Whatta feeling!

Now, I realize that for you "old hands", an East Coast to Europe QSO is pretty "routine", but as in many other areas of life, the "first time" is memorable indeed :)

Anyway, this brings up a question - what is the best procedure to follow for QSLing DX stations? I've discovered several on-line callbooks for European countries - but not for Germany. I know that many DX stations make use of QSL managers, but that does not appear to be the case in DL4VM's case.

Any advice/pointers would be appreciated.

72 es 73

Jim Barrett - KC2DCC

-----  
Date: Tue, 28 Mar 2000 09:22:16 -0800 (PST)  
From: Michael Kernan <ka7ple@teleport.com>  
To: qrp-l@Lehigh.EDU  
Subject: [66713] unsubscribe  
Message-ID: <Pine.GSO.4.10.10003280921360.23747-100000@user2.teleport.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

unsubscribe

ka7ple@teleport.com Public Access User -- Not affiliated with Teleport  
Public Access UNIX and Internet at (503) 972-2800

-----  
Date: Tue, 28 Mar 2000 12:41:04 -0500  
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>  
To: NJ QRP Club <njqrp@njqrp.org>, NoVa QRP group <NoVaQRP@topica.com>, QRP-L  
<qrp-l@lehigh.edu>  
Subject: [66714] LY2FE/QRP on 28.060 at 1734z on 28Mar00  
Message-ID: <38E0EEB0.1DE7F40A@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

How about that -- 2-way QRP to Lithuania.

Jake -- N4UY/QRP  
Vienna, VA  
(Wash DC suburbs)

-----  
Date: Tue, 28 Mar 2000 19:33:11 +0100  
From: "Andy GM0NWI" <Gm0nwi@tesco.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [66715] Texas Bug Catcher URL...  
Message-ID: <000501bf98e4\$12c48e20\$d61fac3e@q1n3l2>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

HELP...!!

Can't seem to get the URL I have for the webpage about this wonderful antenna, to load in my browser....

PLEASE .... can someone tell me the URL for now, incase I have to update the one I have....

Many thanks again guy's for the bandwidth...

72s de Andy GM0NWI gm0nwi@tesco.net

-----  
Date: Tue, 28 Mar 2000 12:47:06 -0600  
From: "Michael A. Newell" <wb4huc@texas.net>  
To: Gm0nwi@tesco.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [66716] Re: Texas Bug Catcher URL...  
Message-ID: <38E0FE29.C00771E4@texas.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Try <http://texasbugcatcher.com/>

72,

--

Michael A. Newell - WB4HUC  
Austin, TX  
QRP-L 1668  
<http://wb4huc.home.texas.net>

-----  
Date: Tue, 28 Mar 2000 10:51:59 PST  
From: "Doug Hendricks" <ki6ds@hotmail.com>  
To: qrp-l@lehigh.edu  
Message-ID: <20000328185159.55312.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Guys, have you been reading the fantastic reports from Atlanticon. Wow what



an exciting weekend of the ultimate in QRP activity. If you live in the midwest, you have your opportunity to do the same thing at the second annual ArkieCon QRP Forum, April 7th and 8th. The guys from Ft. Smith have a great weekend planned. They have been planning this for a year, and are getting really excited as the date draws near.

ArkieCon will be held in a brand new facility with tons of room, concession stands, restrooms, hamfest in the same building, and the best part is that there is no additional charge for the QRP events. The QRP events will start Friday night when we all get together for a no host dinner at the Ribeye Restaurant. The Ribeye is known as the place to eat in Ft. Smith, and Keith Newman has made all of the arrangements for the group to get the banquet room so we can have some fun and get loud. This is your chance to have dinner with the speakers, who will all be there. Chuck Adams, Paul Harden, Glen Leinweber, Dave Gauding, Doug Hendricks, and Jim Duffey are all being flown in to speak and share their qrp knowledge with you. This is your chance to talk one on one with these guys. They want to hear about your qrp experiences too, so be sure to bring gear that you have built to share with them.

Saturday will feature the Hamfest and the qrp forum during the day, and the huge QRP Open House Saturday night. The Ft. Smith QRP group is attempting to have every currently available kit set up and working into antennas. You can actually sit down and try these rigs on for size. See how they compare.

Make a qso on a real antenna, and see for yourself how the rigs work. This is a great opportunity, and has not been done before at a qrp forum.

Lots of prizes and if you preregister, you will double your chances of winning. NO charge. But you must be present to win. Jay will post later about the prizes, but there will be a ton of them.

Come see us in Ft. Smith, and share in the fun. The QRP Hotel has great rooms available for \$42 a night, and they are quality, clean rooms with all of the amenities. Guys are planning on coming from throughout the midwest, and it is your chance to be part of a great funfilled weekend.

See you in Ft. Smith April 7th and 8th. 72, Doug, KI6DS

---

Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Tue, 28 Mar 2000 10:55:39 -0800 (PST)  
From: Brad Bradfield <b\_bradfield@yahoo.com>  
To: Message posts for QRP-L <qrp-l@lehigh.edu>  
Subject: [66718] ASTRON RS-35A POWER SUPPLY  
Message-ID: <20000328185539.13825.rocketmail@web221.mail.yahoo.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Sorry for the bandwidth y'all.

Someone sent me some web pages with schematics and other information on my Astron RS-35A power supply, and I accidentally deleted the message. Please re-send.

Oh, well.

72's es 73's,

Brad, W5CGH

=====

Brad Bradfield, PE	Test Staff Engineer
W5CGH (ex WB0CGH)	SpectraPoint Wireless LLC

Real men talk with their fingers!!

NORTEX	QRP-L #377	QRP-ARCI #10012	SMIRK #4906
ARS #72	NORCAL	Austin QRP Club #i	

-----  
Do You Yahoo!?  
Talk to your friends online with Yahoo! Messenger.  
<http://im.yahoo.com>

-----  
Date: Mon, 27 Mar 2000 19:54:33 -0500  
From: Joe Mikuckis <k3chp@erols.com>  
To: qrp-l@lehigh.edu  
Subject: [66719] What is one to do?  
Message-ID: <38E002C9.3A8B@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Lately I find myself being faced with the following dilemma:

I respond to a fairly weak signal calling "CQ" and the station comes back to me. As soon as it does so, I note his signal report, say, 549. After I copy his name and QTH he gives me a signal report of 599 (sometimes 589 or 579) and on top of that he tells me that he's running 100 watts (or more)! Well,

here is my problem: it is rather embarrassing to give somebody a report of 549 running 100 watts or more while receiving a 599 signal report for a 5-watt QRP station. On several occasions, not wanting the other guy to take it as an insult, I cheated and raised the report to 599. What is one to do?

73 de Joe, K3CHP  
Riverdale, MD

-----  
Date: Tue, 28 Mar 2000 13:22:02 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Joe Mikuckis <k3chp@erols.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [66720] Re: What is one to do?  
Message-ID: <Pine.LNX.3.95.1000328132137.9993E-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sounds like a classic case of one-way skip Joe.....I experience it all the time from my location.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Tue, 28 Mar 2000 11:23:52 -0800  
From: Allan G Taylor <agtaylor@llnl.gov>  
To: qrp-1@lehigh.edu  
Subject: [66721] MRF904: base pinout needed  
Message-ID: <38E106C8.78FF@llnl.gov>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Need base pinout for the Motorola MRF904.

I cannot find this info in the ARRL Hbk, Motorola website, or in the NA5N Data Book. Can some patient soul send me privately the pinout for this hot little transistor? I am going to sub it in the NC20, per AB7MY.

Sorry for the bandwidth.

--

Allan Taylor K7GT agtaylor@llnl.gov  
DXCC 2000 Mlnm. award /QRP -- 59 since 2/22/00  
SOC #6 QRP ARCI #10146 HI/QRP #93

-----  
Date: Tue, 28 Mar 2000 14:35:55 -0500  
From: "Victor Blackwell" <victor@brechnet.com>  
To: <k3chp@erols.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [66722] Re: What is one to do?  
Message-ID: <004301bf98ec\$d63710a0\$345730d1@pavilion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

What about when a dude comes back to your CW cq and can't send his call.  
Give him a 399?

Vic AD8K

>  
> I respond to a fairly weak signal calling "CQ" and the station  
> comes back to me. As soon as it does so, I note his signal  
> report, say, 549. After I copy his name and QTH he gives me  
> a signal report of 599 (sometimes 589 or 579) and on top of  
> that he tells me that he's running 100 watts (or more)! Well,  
> here is my problem: it is rather embarrassing to give somebody  
> a report of 549 running 100 watts or more while receiving  
> a 599 signal report for a 5-watt QRP station. On several  
> occasions, not wanting the other guy to take it as an insult,  
> I cheated and raised the report to 599. What is one to do?

-----  
Date: Tue, 28 Mar 2000 11:50:13 -0800  
From: Ed Loranger <we6w@qsl.net>  
To: agtaylor@llnl.gov, Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [66723] MRF-904 pinout  
Message-ID: <38E10CF5.70DAEE4B@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Allan, here it is from the RadioShack Motorola  
RF Data Manual. (1978 Edition)

NPN Silicon, Ft=4 GHz. Noise Figure=1.5 dB @ 450 MHz.

Small Signal transistor, maximum dissipation= 200 mW.

Pinout:

Clockwise from tab as viewed from bottom:

Emitter, Base, Collector, Case.

-Ed

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068  
<http://www.qsl.net/we6w> Santa Rosa, CA  
Brain, only as strong as its weakest think.

-----  
Date: Tue, 28 Mar 2000 15:09:03 EST  
From: Shephed@aol.com  
To: qrp-l@lehigh.edu  
Subject: [66724] Re: What is one to do?  
Message-ID: <d0.3b481e7.26126b5f@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Joe,

I send an honest report, if the guy is a 449, then that's what he gets. Running  
QRP most of the time, I hardly ever get anything above a 449. :-)

I get a chuckle when in contests, you send your info 10 times to a station, and  
they say tnx 599. :-)

72, 73  
Dan, N8IE

-----  
Date: Tue, 28 Mar 2000 14:09:22 -0600

From: "Jim Crooke" <crooke@prodigy.net>  
To: <victor@brecnet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [66725] Re: What is one to do?  
Message-ID: <200003282010.PAA52836@pimout5-int.prodigy.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: quoted-printable

=20

> What about when a dude comes back to your CW cq and can't send his =  
call.

> Give him a 399?

>=20

> Vic AD8K

>=20

So that's why I keep getting 399:-)

Jim WB0HQV=20

Healer of Brachycephalics and other nice looking creatures

-----

Date: Tue, 28 Mar 2000 15:16:36 EST  
From: DOCROCK1T@aol.com  
To: qrp-1@lehigh.edu  
Subject: [66726] Re: What is one to do?  
Message-ID: <c0.237f0fa.26126d24@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Joe,

There is only one thing to do in this case...send the report exactly as you  
hear it. Accurate sig reports alert us to possible station problems,  
propagation differences and the need for better antennas.

You should not be embarrassed to "tell it like it is" and the person  
receiving the report should take serious note. Especially if such a weak  
report is heard frequently...I do.

73...

Rick...KB7MPG

-----

Date: Tue, 28 Mar 2000 15:18:19 -0500  
From: "George Heron N2APB" <n2apb@erols.com>  
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@lehigh.edu>  
Subject: [66727] Atlanticon Proceedings (compendium of technical papers)  
Message-ID: <008701bf98f2\$ccdce740\$e6ca9cce@ire.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

We've had so many requests for information concerning the Atlanticon Proceedings, that we thought we'd quickly overview this information-rich document for all to see.

The Proceedings is a "compendium" or collection of the technical papers presented at the Atlanticon QRP Forum this past weekend. It's actually the written articles of the material the authors presented live on Saturday, replete with full and very legible schematics, photos, block diagrams, SPICE model scripting, and thorough analysis. This is a technical journal suitable for the reference shelf in your shack.

The publication size is that of QRPP, SPRAT and QRP Homebrewer, containing 100 pages of technical material with fold-out schematics and block diagrams, all contained by a spiral wire binding to allow the issue to lie flat or to be folded back on itself.

If you couldn't make it to Atlanticon, what better way to get the inside scoop on these current and hot technical topics overviewed below?! If you'd like to purchase this collector's item (there were only 100 extra copies printed), see the ordering information at the end of this message. Once they're gone, they're gone forever!

#### OVERVIEW OF ATLANTICON 2000 PROCEEDINGS PUBLICATION

##### =====

##### SNAP - A Manhattan-style QRPP Transmitter

by T.J. "Skip" Arey, N2EI

We had some real good fun leading up to this year's Atlanticon QRP Forum by giving all attendees a small kit called the SNAP -- a very low power (20mW) transmitter designed to give everyone some experience building a working project a la Manhattan-style. Some found it a first experience with this method of construction; others found it a first time building a working transmitter from scratch; and everyone found it a great learning experience! Includes schematic, layout, photos, SPICE modeling script, spectral and time waveform plots.

##### A 40m-to-6m, 2N2222-based CW Transverter

by Jim Kortge, K8IQY

This paper covers the design of a 2-watt, 40-meter to 6-meter transverter,

based on 2N2222 transistors. Overviews of the construction method, transverter construction, and tune-up are also presented. Includes detailed photos and convenient fold-out schematics.

#### Operating QRP ... It's a Contact Sport

by Michael Gipe, K1MG

Operating QRP is one of the most challenging and rewarding activities in ham radio. But it takes more skill, preparation, and knowledge to mix it up with the high-power boys and succeed with QRP. Nowhere is this more evident than in the DXpedition pileup, where the combined power of all the kilowatts seems to burn a hole in the ionosphere. Using a number of clever techniques, the smart QRP operator can beat out the kilowatt any day, however. With the proper equipment, knowledge, skills and attitude, the QRPer can have more fun -- and learn how to dance the Happy Dance, too!

#### The Time Has Come for Surface Mount Kits

by Doug Hendricks, KI6DS

NorCal QRP Club has done over 10,000 kits since they started the club back in 1993. They have sourced the parts on every one of those kits, and have been noticing a disturbing trend: it is getting harder and harder to find through-hole, or leaded parts. Here's an overview of the first of what is sure to be many surface mount kits (SMKs) that can be assembled and tested just as easily (and often at a lesser price) as through-hole kits. Designed as a learning platform for homebrewing with this technology, come see what all the excitement is about the NorCal SMK-1.

#### The Band-Aide ... a 10m Monitor Receiver

by Joe Everhart, N2CX

The sun's 11-year cycle creates great opportunities for QRPers. And when Old Sol has case of the zits, our ionosphere "heats up" and the upper HF bands come alive. Here's a way to modify a receiver in order to provide a way to detect band activity and wake you up when your favorite CW signals (beacon, sked, traffic net) are present on this hot band.

#### Microcomputer-Controlled Squelch

by Gary Diana, N2JGU

This paper discusses the concept of building a microcomputer-controlled squelch control circuit for the NJQRP Club's "SOP" (Seat Of the Pants) Receiver. The SOP is the brainchild of Joe Everhart, N2CX and the club is introducing the base kit this Spring. As a follow-on to the initial project, we had an idea to apply a microprocessor to provide squelch control while scanning a narrow band segment around the favorite QRP frequencies. As a basis for further experimentation, I will address the concepts of squelch control, frequency scanning and DSP-like signal processing to detect specific signal energy.

#### PSK31 - What's all this Brouhaha?

by Dave Benson, NN1G



One of the fastest-growing facets of amateur radio is the new PSK31 mode. It makes use of your home computer to provide a 'keyboard-to-keyboard' live QSO format. This mode is usable with low signal-to-noise ratios and is hence well-suited for QRP operation. Software is readily available on the Web. This paper provides an overview of how PSK31 works. It further discusses some of the requirements for the hardware between the computer and the antenna. An on-the-air demonstration is included in the Atlanticon presentation to afford the participants an opportunity to try out this mode.

#### Manhattan-Style Construction

by Chuck Adams, K7QO

Interest in homebrewing has been growing like wildfire in the QRP ranks. There never has been a better time to try your hand at building one of the excellent quality pc board-based transceiver kits; or perhaps instead you should try out Manhattan-style construction! This article is structured as a detailed primer in which I overview various homebrewing construction techniques, and then giving significant detail on a technique called Manhattan-style construction. I hope to provide a basic understanding of just what is involved in building with this technique. To make this article of interest for all ages and building experiences, I ask for your patience while I start from the basics and work up to the more complex issues.

#### The Amazing Saga of the Tuna Tin 2

by Ed Hare, W1RFI

Have you ever wondered about how the Tuna Tin 2 came to life? And especially how it was "reborn" over two decades later? Here's a narrative given by one of the leading proponents of QRP at ARRL headquarters, detailing the cross-country exploits and travels of the Amazing TT2.

#### The League, QRP and You

by Ed Hare, W1RFI

W1RFI continues with a careful breakdown and analysis of the "goods and services" provided to the QRP community by ARRL Headquarters. Sometimes surprising, sometimes understandable, always logical and cogent, Ed Hare outlines the current state of QRP affairs for us from the ARRL's perspective.

#### Atlanticon 2000 Speaker Biographies

Learn more about the famous authors' work published in the Proceedings.

#### TO ORDER

=====

Make a \$10 check or M.O. out to "George Heron, N2APB" and send to  
George Heron, N2APB  
2419 Feather Mae Court  
Forest Hill, MD

Mailing costs are included in this price, anywhere in the world. We have

these issues sitting in envelopes ready to be mailed upon receipt of order.

73, George N2APB  
n2apb@amsat.org

-----  
Date: Tue, 28 Mar 2000 14:19:09 -0600  
From: "Jay Bromley" <w5jay@alltel.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [66728] Speakers and Times for ArkieCon  
Message-ID: <00d701bf98f2\$e0ae7360\$1b9b66a6@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang,

Here are the times and titles for the ArkieCon QRP forums. As with anything this big there may and will be some slight changes. For more info about ArkieCon just go to the NorCal page at <http://www.fix.net/norcal.html>

When you click on the ArkieCon link be sure to pull the page all the way down for more links on the hamfest, motel accommodations, etc. Jerry also is keeping a pre-registered list of attendees, thanks Jerry. Thanks Doug, you posts are always the greatest!! Can't wait to see everyone in a few days!!!!

73 de w5jay..

1. Doug Hendricks "Complete Ham Radio Station For Under \$50"      Saturday  
April 8th 9:00 a.m. to 10:00 a.m.
2. Paul Harden      "Propagation and Regen Tech Series"  
Saturday April 8th 10:00 a.m. to 11:00 a.m.
3. David Gauding      " Pretty Good Indoor and Portable Antennas"      Saturday  
April 8th 11:00 a.m. to 12:00 p.m.
4. Lunch 12:00 to 1:00 p.m.
5. Jim Duffey "Antenna Miscellany- Disconnected But Useful Ideas For  
Antennas " Saturday April 8th 1:00 p.m. to 2:00 p.m.
6. Glen Leinweber "Green Rigs: Efficiency In QRP Radio"  
Saturday April 8th 2:00 p.m. to 3:00 p.m.

7. Chuck Adams "Manhattan Style Building and Homebrewing" Saturday April 8th 3:00 p.m. to 4:00 p.m.

4:00 p.m. Drawing for the prizes K2/PW-1, etc.

Dinner, location TBA, no-host-deal 4:30 p.m. to 6:00 p.m.

Test Drive Your Favorite QRP station and open house 6:30 to mid-might

All the above is subject to change slightly!!

Thank you all and 73 de w5jay..

-----  
Date: Wed, 29 Mar 2000 06:33:45 +1000  
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [66729] Re: Help Diplexer Calculator  
Message-ID: <38E11729.E3F40DB3@integritynet.com.au>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Cla KA0GKC wrote:

> Hello all,  
> Somewhere in the not so distant pass there was a posting that lead to a web  
> page that had a JavaScript diplexer (diplexor?) calculator.

Cla,

If you are thinking of the LC calculator then it is on one of my web pages (one of 92 pages).

Here it is:

<http://www.integritynet.com.au/~purdic/electronic-basics.htm>

If the source code is helpful I'll sent that as an attachment to you by email

72/73's

Ian Purdie    Budgewoi N.S.W. Australia - Co-ords 33o:14' S 151o:34' E  
My FREE Newsletter:- <mailto:vk2tip@qsl.net?Subject=Subscribe>  
VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 "duh?"  
URL - <http://www.integritynet.com.au/~purdic/>

Date: Tue, 28 Mar 2000 21:11:35 GMT  
From: k1vp@lawson-philpot.com  
To: k3chp@erols.com  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [66730] Re: What is one to do?  
Message-ID: <20000328.21113561@office4.office.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: quoted-printable

>>>>>>>>>>>>>> Original Message <<<<<<<<<<<<<<

On 3/27/00, 7:54:33 PM, Joe Mikuckis <k3chp@erols.com> wrote regarding=20=

What is one to do?:

> Lately I find myself being faced with the following dilemma:

Since my QRP rig doesn't have a S meter I don't have a big problem in this area as I have found my ears make lousy S meters. Nevertheless, I just tell it like it seems no matter what. Maybe you have a great antenna. Maybe he has a lousy antenna. Maybe he has an optimistic S meter. Maybe you have a pessimistic S meter.

My opinion is just let the chips fall. I want the other guy to know=20=

copy may be difficult so he doesn't speed over my head or fail to=20

repeat important info if warranted.

Ed Lawson  
K1VP

-----  
Date: Tue, 28 Mar 2000 15:53:43 EST  
From: Wb8siw@aol.com  
To: DOCROCK1T@aol.com, qrp-1@lehigh.edu  
Subject: [66731] Re: What is one to do?  
Message-ID: <33.305c586.261275d7@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 03/28/2000 3:21:37 PM Eastern Standard Time,  
DOCROCK1T@aol.com writes:

<< Hi Joe,

There is only one thing to do in this case...send the report exactly as you  
hear it. Accurate sig reports alert us to possible station problems,  
propagation differences and the need for better antennas.

You should not be embarrassed to "tell it like it is" and the person  
receiving the report should take serious note. Especially if such a weak  
report is heard frequently...I do.

73...

Rick...KB7MPG >>

Well said Rick....I agree 100 percent. 73, Jim WB8SIW

-----  
Date: Wed, 29 Mar 2000 07:11:11 +1000  
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [66732] Radios in US Submarines  
Message-ID: <38E11FEF.C8DC8634@integritynet.com.au>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang,

Conrad, W7WLM on glowbugs asked this question which I agreed to ask here

<snip>

Does anybody know by designation numbers, what radio gear was traditionally used in American submarines throughout the period from 1935 to about 1948?

</snip>

I know there a few ex-submariners on the list perhaps you might have the information

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14' S 151o:34' E  
My FREE Newsletter:- <mailto:vk2tip@qsl.net?Subject=Subscribe>  
VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 "duh?"  
URL - <http://www.integritynet.com.au/~purdic/>

-----  
Date: Tue, 28 Mar 2000 15:13:52 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>  
Subject: [66733] FS:new qrp rig. (fwd)  
Message-ID: <Pine.LNX.3.95.1000328151235.19832G-1000000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

.....the rig has been purchased.....thanks very much to everyone....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Tue, 28 Mar 2000 16:15:01 EST  
From: n5ib@juno.com  
To: qrp-l@Lehigh.edu  
Subject: [66734] OPERATING: USS Kidd Log  
Message-ID: <20000328.150544.4663.0.N5IB@juno.com>

Worked quite a few QRP-L'ers today. I was QRO at 30 W just as a bit of "backsliding." I'll do my penance later :^)

Tried to have at least a short chat instead of a contest quickie. Had to leave before 2000 Z so's I can get to New Orleans with Gloria (WD5CMA) in time for a baseball game with Univ of N.O. tonight at 0030. My son pitches for Univ. of LA.

You can QSL to me or to W5GIX. If you send to W5GIX, send \$1 with your 9x12 SASE for a card and certificate. If you send to me, skip the \$, just send the 9x12 SASE and I'll see that it's expedited.

Here's the log

1604 Rick in Port Huron MI (forgot to copy his call off the logging computer)

1615 VE3VGI	John
1623 NK9G	Rick
1629 N0RC	Rod
1639 N2ZHY	David
1651 WC3C	Chuck
1704 K1JD	John
1718 KG8YT	Bruce
1756 WB5QYT	Tom
1815 NA5E	Mary
1821 WA8LCZ	Byron
1834 W2AEI	Paul
1844 W8ILC	Ron
1854 K1QM	Joel

72 and thanks to all who called.

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

-----  
Date: Tue, 28 Mar 2000 13:23:33 -0800

From: neil <neil@aaade.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [66735] Tiny Weller soldering iron for sale.

Message-ID: <38E122D5.25C2075D@aaade.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I have one extra tiny Weller soldering iron which should be real nice for SMD work.

See it at this link  
<http://www.aade.com/ebay/SOLDER1.html>

It is 650 degree, constant temperature, and has very small sharp tip. It is a hybrid of a MP126 pencil on a WTCP base with ON/OFF switch.

All parts are standard Weller so replacements should be readily available.

Asking \$70 plus shipping (about \$5.40 priority mail)

Goes to first buyer responding but I may be able to get a few more similar ones and will keep list of any others to offer one at that price.

Call with Visa/MC to number below.

--

Neil  
<http://www.aade.com>  
<mailto:neil@aade.com>  
Almost All Digital Electronics  
1412 Elm St. SE  
Auburn, WA 98092  
253-351-9316

-----  
Date: Tue, 28 Mar 2000 13:34:21 PST  
From: "Doug Hendricks" <[ki6ds@hotmail.com](mailto:ki6ds@hotmail.com)>  
To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [66736] Atlanticon Compendiums Available  
Message-ID: <20000328213421.62167.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Guys, George Heron sent me a copy of the Atlanticon Compendium (I had an article in it) and it is fabulous reading. This one is a must have if you didn't get to Atlanticon. 100+ pages of great qrp articles by all the speakers, plus 3 or 4 more "extras" by well known qrp authors. The price is \$10 and it includes postage. George printed up 100 extra, and he has 96 of them left as of this morning.



Hate to bring up a sore point, but I remember taking a huge amount of heat from some on this list for not providing compendiums. Well, now is your chance to stand up and be counted. George went out on a limb and produced the extra copies at a significant cost to the club. I will also say that I will be looking at the results of this experiment very carefully in analyzing whether or not to produce extra compendiums. So, if you want a great read, send George a check for \$10 to get your copy. You also might want to send him an email that you are ordering a copy so he will save one for you. His email is:

n2apb@erols.com

Great job George. Beautiful binding, foldout full size schematics, and excellent articles by all the presenters. Jim Kortge, Chuck Adams, Gary Diana, Joe Everhart, Mike Gipe and Dave Benson. They are all in there!!  
72, Doug, KI6DS

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Tue, 28 Mar 2000 16:41:25 EST  
From: Nv4t@aol.com  
To: Wb8siw@aol.com, qrp-1@lehigh.edu  
Subject: [66737] Re: What is one to do?  
Message-ID: <69.2dda455.26128105@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

This thread is as old as wireless. It's all in your honesty and ability to report accurately. Even so called s-meters aren't standardized some take a much stronger signal for the same reading than others. By the way, most of todays rigs have generous rather than what we used to call 'scotch ' meters back in the days of glow bottles! So--- don't sweat it boys!

73, Bill NV4T

-----  
Date: Tue, 28 Mar 2000 16:45:51 -0500  
From: "Jim Barrett - KC2DCC" <jbarrett@stny.rr.com>  
To: <qrp-1@lehigh.edu>  
Subject: [66738] DX-QSL's  
Message-ID: <006c01bf98fe\$fc9372e0\$0200a8c0@stny.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Thanks to all who responded regarding my question on QSLing DX stations. I am an ARRL member, so I will make use of the bureau whenever possible.

I look forward to the opportunity to hone my operating and CW skills, pursuing DX with the K2... ever so much more satisfaction in doing it with "5 watts & a dipole".

Though... as a commercial broadcast engineer there is one thing I'm just dying to try. Our AM station (WENY 1230) uses a 425-foot self-supporting tower, with a dual set of ground radials (240 in all) in very moist soil. The next time I have an opportunity to take the transmitter down for overnight maintenance, I plan to load up the tower on 80 meters and/or 160. Might be interesting to see just what the K2 can do with 5 watts and a "monster" vertical. I'd have liked to have tried it earlier in the year though, as I imagine the QRN level will be multiplied enormously with that large of a capture area.

72 es 73

Jim Barrett - KC2DCC

-----  
Date: Tue, 28 Mar 2000 15:52:34 -0600  
From: "Jay Bromley" <w5jay@alltel.net>  
To: <qrp-l@Lehigh.EDU>  
Cc: "William Winnscott" <n6cha@ipa.net>, "Steve Lowrey" <snlowrey@alltel.net>, "Steve Gibbs" <k5oy@alltel.net>, "Stan Ross" <sross@ipa.net>, "Royce Rainwater" <ke5tc@crosstel.net>, "Richard Donovan" <n5xm@alltel.net>, "Randy Baggett" <kg5ne@cei.net>, "Nicholas Kennedy" <nkenned@entergy.com>  
Subject: [66739] "Test Drive ArkieCon" Coming to a theater near you  
Message-ID: <012e01bf98ff\$f5979e20\$1b9b66a6@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang more ArkieCon stuff, I told you about all that oxygen that Doug is now

getting, god help me, grin!

Thanks to Bob Dyer at Wilderness we now have a SST and a NC-40A to play with at our Test Drive on Saturday night. Check out Bob's rigs at <http://www.fix.net/jparker/wild.html>

Thank you Bob!

Also Marshall Elmm from Morse Express/Oak Hills Research is making up a crate of great stuff. Marshall is going to loan us his personal Hound Killing OH-500! You ought to see the all wrist marks that the ultimate fox ( Marshall ) now has. You can check out all the neat stuff Marshall has at <http://www.mtechnologies.com/index.html>

Warning, please be prepared to surf awhile. Marshall has a lot of neat QRP stuff on his web-site.

Thanks to Keith, K5YCM, and Don, K5KW, we will be bleeding Red, as in Red Hot Radios. Keith will also bring his WM-2 Oak Hills wattmeter.

Stan, K5VR, is doing the Small Wonder Labs rigs. Stan will be bringing the SW-40 and DSW30/40 rigs for the "Test Drive".

Kelsey "Hanging Judge and Fort Smith's Most Famous QRPer" will have his Emtech NW-40 on hand.

Doug, KI6DS, has the SMK-1 and I will bring my beta K2.

What we're short on now gang are keys and keyers. So far we have a my Kent and WBL paddles. If you have a unique key that you want to show off please bring it with you Saturday night. Be sure to let me know so we can brag on you.

Oh, I almost forgot the Drive Test will be held in the same room as the QRP forums starting at 6:00p.m.. We now have a outdoor deck to play on in addition to the room. The don't call it Columbus Acres for nothing. Don't see a rig you want to play with listed below. Let me know and we will try to get it here. So there you have it, so far anyway, grin!!

Wilderness NC-40A and a Wilderness SST

Red Hot 20 and a Red Hot 40

Oak Hills Research OH-500 and WM-2

Emtech NW-40

SMK-1

K2

Keys----- WBL and Kent, more to come.....

73 de w5jay..

-----  
Date: Tue, 28 Mar 2000 14:29:08 -0700  
From: E L D <wd7y@pyramid.net>  
To: qrp-l@lehigh.edu  
Subject: [66740] FS  
Message-ID: <200003281425370.SM00153@206.100.200.29>  
Mime-version: 1.0  
Content-type: text/plain; charset="us-ascii"  
Content-transfer-encoding: 7bit

For Sale  
Ten Tec Scout 555 with Noise Blanker  
Includes Modules for 40, 20, 15, &10M  
Includes Moble Mike  
Includes 937 Power Supply  
Manuals also Included  
A good rig and in very good condition

\$500 Shipped in CONUS

Ed WD7Y 775-825-5163

-----  
Date: Tue, 28 Mar 2000 17:27:30 -0500  
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>  
To: "'k3chp@erols.com'" <k3chp@erols.com>, Low Power Amateur Radio Discussion  
<qrp-l@Lehigh.EDU>  
Subject: [66741] RE: What is one to do?  
Message-ID: <125490A005E3D3118C9C00805FC743CC3E183D@mail.arrl.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

>I respond to a fairly weak signal calling "CQ" and the  
>station comes back to me. As soon as it does so, I  
>note his signal report, say, 549. After I copy his >name and QTH he gives  
me a signal report of 599  
>(sometimes 589 or 579) and on top of that he tells me  
> that he's running 100 watts (or more)! Well, here is  
> my problem: it is rather embarrassing to give somebody

> a report of 549 running 100 watts or more while  
> receiving a 599 signal report for a 5-watt QRP  
> station. On several occasions, not wanting the other  
> guy to take it as an insult, I cheated and raised the  
> report to 599. What is one to do?

Give the report the way you hear it. A number of factors could come into play. First, many people give RST reports based on their ear's interpretation of what they hear, mostly wrt signal/noise. If he has a lousy antenna, he will be pretty weak on transmit, but on receive, his lousy antenna picks up less signal, but also less noise, so the signal/noise ratio is the same as it would be with a better antenna.

He may also be a DXer and thinks any signal he can hear is 599. :-)

73, Ed Hare, W1RFI

-----Original Message-----

From: Joe Mikuckis [mailto:k3chp@erols.com]

Sent: Monday, March 27, 2000 7:55 PM

To: Low Power Amateur Radio Discussion

Subject: What is one to do?

Lately I find myself being faced with the following dilemma:

I respond to a fairly weak signal calling "CQ" and the station comes back to me. As soon as it does so, I note his signal report, say, 549. After I copy his name and QTH he gives me a signal report of 599 (sometimes 589 or 579) and on top of that he tells me that he's running 100 watts (or more)! Well, here is my problem: it is rather embarrassing to give somebody a report of 549 running 100 watts or more while receiving a 599 signal report for a 5-watt QRP station. On several occasions, not wanting the other guy to take it as an insult, I cheated and raised the report to 599. What is one to do?

73 de Joe, K3CHP

Riverdale, MD

-----  
Date: Tue, 28 Mar 2000 14:33:32 -0700

From: E L D <wd7y@pyramid.net>

To: qrp-l@lehigh.edu

Subject: [66742] Parts Needed

Message-ID: <200003281429963.SM00153@206.100.200.29>

Mime-version: 1.0  
Content-type: text/plain; charset="us-ascii"  
Content-transfer-encoding: 7bit

Where can I find

Variable Capacitors ???

Coils such as Air-Dux ???

And Stand off insulators ceramic type ???

-----  
Date: Tue, 28 Mar 2000 18:56:50 EST  
From: BenNW7DX@aol.com  
To: qrp-l@lehigh.edu  
Subject: [66743] Re: Using a long wire  
Message-ID: <e6.34d219e.2612a0c2@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Whoops,

After I re-read the post that I sent about the long wire ground, and received a few emails, I saw my error... For some reason, I was thinking 1/4 wave but 1/2 wave was what I typed.. Anyway, yes, the 1/4 wave is what I use with my rainbow tuner on trips and does a very nice job. The 1/2 wave wire will show a large impedance and will not be too good.

73,  
Ben - NW7DX

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End of QRP-L Digest 1774

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